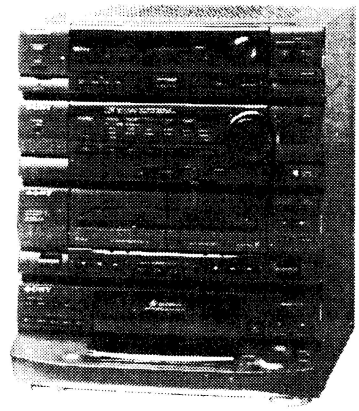
HCD-D670AV/N555AV

SERVICE MANUAL

US Model
Canadian Model
HCD-D670AV
AEP Model
UK Model
E Model
Australian Model
PX Model
HCD-N555AV



HCD-D670AV, HCD-N555AV are the tuner, deck, CD and amplifier section in LBT-D670AV, LBT-N555AV.

Photo: HCD-N555AV

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* Dolby noise reduction manufactured under license from Dolby Laboratories Licensing Corporation. "DOLBY" and the double-D symbol ◻◻ are trademarks of Dolby Laboratories Licensing Corporation.

CD SECTION	Model Name Using Similar Mechanism	NEW
	CD Mechanism type	CDM37-5BD19
	Base Unit Type	BU-5BD19
	Optical Pick-up type	KSS-213BA/S-N
TAPE DECK SECTION	Model Name Using Similar Mechanism	HCD-N350
	Tape Transport Mechanism Type	TCM-220WR2E

SPECIFICATIONS

AUDIO POWER SPECIFICATIONS (US model)

POWER OUTPUT AND TOTAL HARMONIC DISTORTION: With 6 ohm loads, both channels driven, from 70-20,000 Hz; rated 50 watts per channel minimum RMS power, with no more than 0.9 % total harmonic distortion from 250 milliwatts to rated output (FRONT SPEAKER).

CD player section

System — compact disc digital audio system
Laser — Semiconductor laser (λ=780nm) Emission duration: continuous
laser output — Max 44.6 μW*
* This output is the value measured at a distance of 200 mm from the objuctive lens surface on the Optical Pick-up Block with 7 mm aperture.

Frequency response — 2 Hz-20 kHz (± 0.5 dB)
wavelength — 780-790 nm

Tuner section

FM stereo, FM/AM superheterodyne tuner

FM tuner section

87.5-108.0 MHz
(100 kHz step for US, Canadian models)
(50 kHz step for except US, Canadian models)
Antenna — FM wire antenna
Aerial terminals — 75 ohm unbalanced
Intermediate frequency — 10.7 MHz

AM tuner section

Tuning range
US, Canadian models:
AM: 530-1,710 kHz (with the tuning interval set at 10 kHz)
531-1,710 kHz (with the tuning interval se at 9 kHz)
German and Italian models:
AM: 531-1,602 kHz
AEP, UK models:
MW: 531-1,602 kHz
LW: 153-279 kHz (with the tuning inteval set at 3 kHz)
Other models:
AM: 531-1,602 kHz (with the AM tuning interval set at 9 kHz)
530-1,710 kHz (with the AM tuning interval set at 10 kHz)
Antenna — AM loop Antenna, External Antenna terminals
Intermediate frequency — 450 kHz

– Continued on next page –

MICROFILM

COMPACT DISC DECK RECEIVER

SONY®

Tape player section

Recording system
4-track 2-channel stereo
Frequency response
(DOLBY NR OFF)
40-13,000 Hz (±3 dB), using
SONY TYPE I cassette
40-14,000 Hz (±3 dB), using
SONY TYPE II cassette
Wow and flutter
± 0.15% W.Peak (IEC)
0.1% W.RMS (NAB)
± 0.2% W.Peak (DIN)

Amplifier section

US, Canadian models:
Continuous RMS power output:
FRONT SPEAKER:
60 W + 60 W (6 ohms at 1 kHz, 5% THD)
CENTER SPEAKER:
50 W (8 ohms at 1 kHz, 5% THD)
REAR SPEAKER:
25 W + 25 W (16 ohms at 1 kHz, 5% THD)

AEP, UK, German, Italian models:
DIN power output:
FRONT SPEAKER:
40 W + 40 W(6 ohms at 1 kHz)
SUPER WOOFER:
40 W + 40 W (6 ohms)
SURROUND SPEAKER CENTER:
35 W (8 ohms at 1 kHz)
SURROUND SPEAKER REAR:
17.5 W + 17.5 W (16 ohms at 1 kHz)
Continuous RMS power output:
FRONT SPEAKER:
50 W + 50 W (6 ohms at 1 kHz, 10% THD)
SUPER WOOFER:
50 W + 50 W (6 ohms, 10% THD)
SURROUND SPEAKER CENTER:
42 W (8 ohms at 1 kHz, 10% THD)
SURROUND SPEAKER REAR:
21 W + 21 W (16 ohms at 1 kHz, 10% THD)
Music power output:
FRONT SPEAKER:
80 W + 80 W (6 ohms at 1 kHz, 10% THD)
SUPER WOOFER:
80 W + 80 W (6 ohms, 10% THD)
SURROUND SPEAKER CENTER:
70 W (8 ohms at 1 kHz, 10% THD)
SURROUND SPEAKER REAR:
35 W + 35 W(16 ohms at 1 kHz, 10% THD)
Other models:
Peak music power output:
1,400 W (6 Ω at 1 kHz, 10% THD)
Continuous RMS power output:
FRONT SPEAKER
45 W + 45 W (6 ohms, at 1 kHz, 5% THD)
SUPER WOOFER
45 W + 45 W (6 ohms, 5% THD)
SURROUND CENTER SPEAKER
40 W (8 ohms, at 1kHz 5% THD)
SURROUND REAR SPEAKER
20 W + 20 W (16 ohms, at 1 kHz, 5% THD)

Inputs
PHONO (phono jack):
Sensitivity 3 mV, impedance 47 kilohms
VIDEO (AUDIO) (phono jack):
Sensitivity 250 mV, impedance 47 kilohms
MIC (phone jack): (E, Australian, Mexican, PX, Aregentine models)
Sensitivity 1 mV, impedance 10 kilohms

Outputs
PHONES (phone jack):
US, Canadian, AEP, UK, German, Italian models:
accept headphones of 8 ohms or more
Other models: accept headphones of 6 to 16 ohms
FRONT SPEAKER: accept impedance of 6 to 16 ohms
SURROUND SPEAKER REAR:
accept impedance of 16 ohms
SURROUND SPEAKER CENTER:
AEP, UK, German,Italian models:
accept impedance of 8 ohms
E, Australian, PX, Argentine, Mexican models:
accept impedance of 8 to 16 ohms
SUPER WOOFER:
AEP, UK, German, Italian models:
accept impedance of 16 ohms
E, Australian, PX, Argentine, Mexican models:
accept impedance of 6 to 16 ohms

General

Power requirements
AEP, UK, German, Italian, models:
220-230 V AC, 50/60 Hz
Australian model:
240 V AC, 50/60 Hz
US,Canadian, Mexican model:
120 V AC, 60 Hz
Other models:
110-120 V or 220-240 V AC
adjustable, 50/60 Hz

Power consumption
US model:170 W
Canadian model:190 W
AEP, UK, German, Italian models:250 W
Other models: 240W

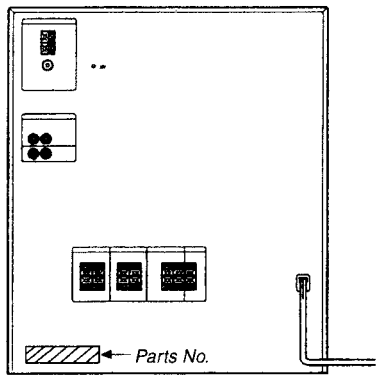
Dimensions
Approx. 355 x 425 x 400 mm
(14 x 16 3/4 x15 3/4 inches) (w/h/d)
incl. projecting parts and controls

Mass
US, Canadian models:
Approx. 12.4 kg (27 lb 6 oz)
Except US, Canadian models:
Approx. 13 kg (28 lb11 oz)

Disegn and specifications subject to change withoutnotice.

MODEL IDENTIFICATION

– BACK PANEL –



MODEL	PARTS No.
D670AV: US model	4-978-193-0□
D670AV: Canadian model	4-978-193-1□
N555AV: AEP model	4-978-193-2□
N555AV: German model	4-978-193-3□
N555AV: Italian model	4-978-193-4□
N555AV: UK model	4-978-193-5□
N555AV: E model	4-978-194-0□
N555AV: Argentine model	4-978-194-1□
N555AV: Australian model	4-978-194-2□
N555AV: PX model	4-978-194-3□
N555AV: Mexican model	4-978-194-4□

NOTE: The AEP model has Indonsian and Malaysia products.
The contents of both products are completely the same.

Notes on chip component replacement

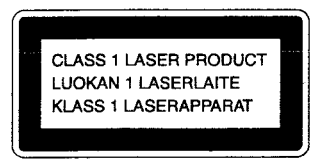
- Never reuse a disconnected chip component.
- Notice that the minus side of a tantalum capacitor may be damaged by heat.

Flexible Circuit Board Repairing

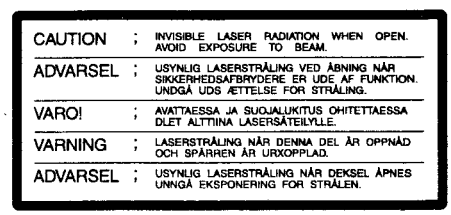
- Keep the temperature of soldering iron around 270°C during repairing.
- Do not touch the soldering iron on the same conductor of the circuit board (within 3 times).
- Be careful not to apply force on the conductor when soldering or unsoldering.

CAUTION
Use of controls or adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposure.

Laser component in this product is capable of emitting radiation exceeding the limit for Class 1.



This appliance is classified as a CLASS 1 LASER product. The CLASS 1 LASER PRODUCT MARKING is located on the rear exterior.


CAUTION ; INVISIBLE LASER RADIATION WHEN OPEN. AVOID EXPOSURE TO BEAM.
ADVARSEL ; USYNLIG LASERSTRÅLING VED ÅBNING NÅR SIKKERHEDSAFBRYDERE ER UDE AF FUNKTION. UNDGÅ UDS ÆTTELSE FOR STRÅLING.
VARO! ; AVATTAESSA JA SUOJALUKITUS OHITETTAESSA OLET ALTTIINA LASERSÄTEILYLLE.
VARNING ; LASERSTRÅLING NÄR DENNA DEL ÄR OPPNÅD OCH SPÄRREN ÄR URKOPPLAD.
ADVARSEL ; USYNLIG LASERSTRÅLING NÅR DEKSEL ÅPNES UNNGÅ EKSPONERING FOR STRÅLEN.

This caution label is located inside the unit.

SAFETY-RELATED COMPONENT WARNING !!

COMPONENTS IDENTIFIED BY MARK ⚠ OR DOTTED LINE WITH MARK ⚠ ON THE SCHEMATIC DIAGRAMS AND IN THE PARTS LIST ARE CRITICAL TO SAFE OPERATION. REPLACE THESE COMPONENTS WITH SONY PARTS WHOSE PART NUMBERS APPEAR AS SHOWN IN THIS MANUAL OR IN SUPPLEMENTS PUBLISHED BY SONY.

ATTENTION AU COMPOSANT AYANT RAPPORT À LA SÉCURITÉ!!

LES COMPOSANTS IDENTIFIÉS PAR UNE MARQUE ⚠ SUR LES DIAGRAMMES SCHÉMATIQUES ET LA LISTE DES PIÈCES SONT CRITIQUES POUR LA SÉCURITÉ DE FONCTIONNEMENT. NE REMPLACER CES COMPOSANTS QUE PAR DES PIÈCES SONY DONT LES NUMÉROS SONT DONNÉS DANS CE MANUEL OU DANS LES SUPPLÉMENTS PUBLIÉS PAR SONY.

SAFETY CHECK-OUT

After correcting the original service problem, perform the following safety checks before releasing the set to the customer:
Check the antenna terminals, metal trim, "metallized" knobs, screws, and all other exposed metal parts for AC leakage. Check leakage as described below.

LEAKAGE

The AC leakage from any exposed metal part to earth ground and from all exposed metal parts to any exposed metal part having a return to chassis, must not exceed 0.5 mA (500 microampers). Leakage current can be measured by any one of three methods.

1. A commercial leakage tester, such as the Simpson 229 or RCA WT-540A. Follow the manufacturers' instructions to use these instruments.
2. A battery-operated AC milliammeter. The Data Precision 245 digital multimeter is suitable for this job.
3. Measuring the voltage drop across a resistor by means of a VOM or battery-operated AC voltmeter. The "limit" indication is 0.75 V, so analog meters must have an accurate low-voltage scale. The Simpson 250 and Sanwa SH-63Trd are examples of a passive VOM that is suitable. Nearly all battery operated digital multimeters that have a 2V AC range are suitable. (See Fig. A)

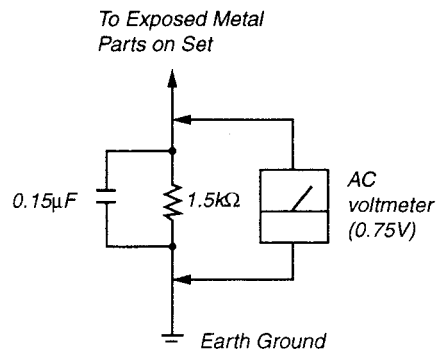


Fig. A. Using an AC voltmeter to check AC leakage.

SERVICING NOTE

NOTES ON HANDING THE OPTICAL PICK-UP BLOCK OR BASE UNIT

The laser diode in the optical pick-up block may suffer electrostatic break-down because of the potential difference generated by the charged electrostatic load, etc. on clothing and the human body.
During repair, pay attention to electrostatic break-down and also use the procedure in the printed matter which is included in the repair parts.
The flexible board is easily damaged and should be handled with care.

NOTES ON LASER DIODE EMISSION CHECK

The laser beam on this model is concentrated so as to be focused on the disc reflective surface by the objective lens in the optical pick-up block. Therefore, when checking the laser diode emission, observe from more than 30 cm away from the objective lens.

[FL Display Tube, LED All Lit and Key Check mode]

When the TUNER/BAND, DISPLAY/DEMO, and FILE 2 buttons are pressed simultaneously, the FL display tube and LEDs will all light up. Press any button to enter the key check mode.
When the key check mode is entered, the FL display tube displays "K 1 J0 V0". Each time a button is pressed, the counter increases in the following order, K 2 → K 3 → K 4.
If buttons already pressed once are pressed again, the counter will not increase. When the VOLUME knob is rotated in the + direction, the count increases in the following order.
V1 → V2 → V3.
When rotated in the – direction, it decreases in the following order.
V0 → V9 → V8.
When the AMS dial is rotated in the clockwise direction, the count increases in the following order.
J1 → J2 → J3.
When rotated in the counterclockwise direction, it decreases in the following order.
J0 → J9 → J8.
To exit form the test mode, press the TUNER/BAND, DISPLAY/DEMO, FILE 2 buttons simultaneously again.

[Switching the channel step 9 KHz/10 KHz]

Press ENTER/NEXT button and POWER button simultaneously to switch the AM channel step 9 kHz and 10 kHz. Be sure not to change with carelessness.

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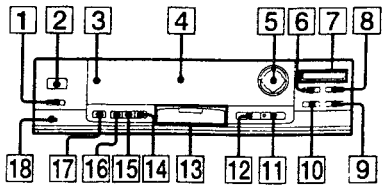
• Abbreviation
G : German model
IT : Italian model
MX : Mexican model
AUS : Australian model
AR : Argentine model

SECTION 1
GENERAL

This section is extracted from instruction manual.

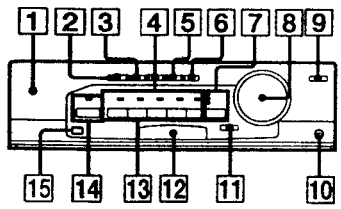
Front Panel

Tuner section



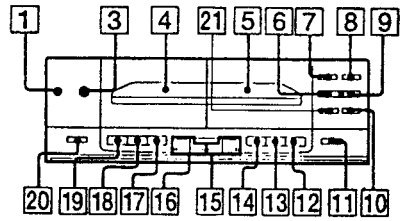
1 SLEEP button (29)
2 SYSTEM POWER switch (8)
3 Remote sensor
4 Display window (35)
5 CURSOR CONTROL buttons (7, 24)
6 TUNING MODE button (13)
7 TUNING +/– buttons (13)
8 TUNER MEMORY button (14)
9 STEREO/MONO button (13)
10 PTY button (14) *1
11 ENTER/NEXT button/indicator (7, 10, 14, 24)
12 DISPLAY/DEMO button (7, 15, 23)
13 TUNER/BAND button/indicator (13, 20, 30)
14 REC button (30)
15 DAILY 2 button (30)
16 DAILY 1 button (30)
17 TIMER SET button (30)
18 CLOCK SET button (7)

Amplifier section



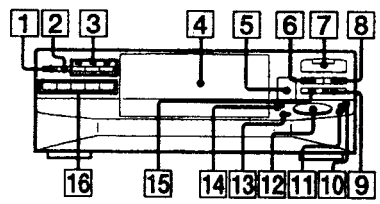
1 PHONES jack (23)
2 DOLBY PRO LOGIC CENTER button (27)
3 DOLBY PRO LOGIC ON/OFF button/indicator (27)
4 HALL button/indicator (24)
5 LIVE button/indicator (24)
6 THEATER button/indicator (24)
7 FILE SELECT button/indicators (23, 25)
8 VOLUME control (8, 23, 27)
9 DBFB button (23)
10 SUPER WOOFER button/indicator (23) *2
11 MEMORY button (25)
12 FUNCTION button (8, 16)
13 FILE 1 – 5 buttons/indicators (23, 25)
14 EFFECT button/indicator (23)
15 KARAOKE PON/MPX button *3

Tape player section



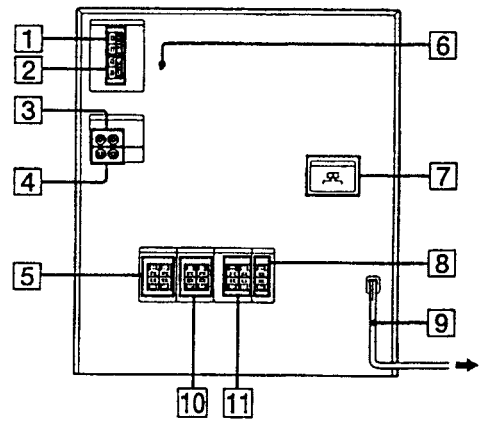
1 MIC jack (29) *3
3 MIC LEVEL control (29) *3
4 Cassette compartment for deck A (15)
5 Cassette compartment for deck B (15)
6 ⏸ (pause) button (15)
7 HIGH SPEED DUBBING button (20)
8 CD SYNCHRO button (16)
9 REC (recording) button (16)
10 DIRECTION button (16)
11 ⏏ EJECT button for deck B (15)
12 ▷▷ (fast rightward) button for deck B (15)
13 ◁◁ (fast leftward) button for deck B (15)
14 ■ (stop) button for deck B (15)
15 ◁/▷ (play) button for deck B (15)
16 ◁/▷ (play) button for deck A (15)
17 ▷▷ (fast rightward) button for deck A (15)
18 ◁◁ (fast leftward) button for deck A (15)
19 ■ (stop) button for deck A (15)
20 ⏏ EJECT button for deck A (15)
21 DOLBY NR button *4

CD player section



1 MUSIC CLIP PLAY button (12)
2 MUSIC CLIP ERASE button (12)
3 CLIP A, B, C buttons/indicators (11, 12)
4 Front cover (8)
5 ⏏ OPEN button (8)
6 ⏸ (pause) button/lamp (8)
7 ▷ (play) button/lamp (8)
8 ■ (stop) button (8)
9 AUTO button/indicator (8)
10 PROGRAM button (10)
11 REPEAT button (10)
12 JOG dial (8)
13 SHUFFLE button (9)
14 CONTINUE button (8)
15 DISC SKIP button (8)
16 DISC 1 – 5 buttons (8)

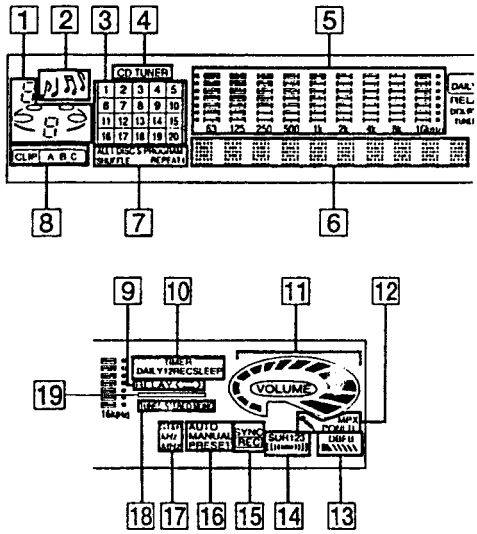
Rear Panel



1 AM terminal (4)
2 FM 75Ω terminal (5) *5
FM 75Ω COAXIAL terminal *1
3 PHONO IN jacks (30)
4 VIDEO (AUDIO) IN jacks (30)
5 FRONT SPEAKER connectors (4)
6 ⏚ ground terminal (5)
7 VOLTAGE SELECTOR *6
8 SURROUND SPEAKER CENTER connectors (4)
9 AC power cord (6)
10 SUPER WOOFER connectors (4) *2
11 SURROUND SPEAKER REAR connectors (4)

Note:
*1 : AEP, UK, German, Italian models.
*2 : Except US, Canadian models.
*3 : E, Australian, Mexican, PX, Argentine models
*4 : US, Canadian, AEP, UK, German, Italian models.
*5 : Except AEP, UK, German, Italian models.
*6 : E, PX, Argentine models.

Display Window



1 Disc calendar (8)
2 Demo mode indications (6)
3 Music calendar (8)
4 CD/TUNER indication (8)
5 Graphic Equalizer indication (22)
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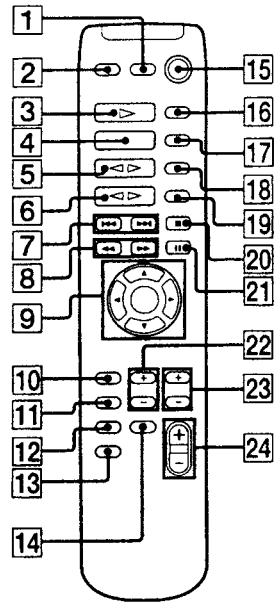
7 CD play mode indications (9)
8 CLIP indicator (12)
9 Tape direction mode indication (15)
10 Timer indication (27)
11 VOLUME indication (8)
12 KARAOKE PON/MPX R L indication (29)*3
13 DBFB indication (21)
14 SUR indication (16, 22)
15 SYNC REC indicator (16)
16 Tuning mode indications (13)
17 STEP/frequency waves indication (13)
18 TUNED/STEREO/MONO indications (13)
19 DOLBY NR B indication*4

Remote

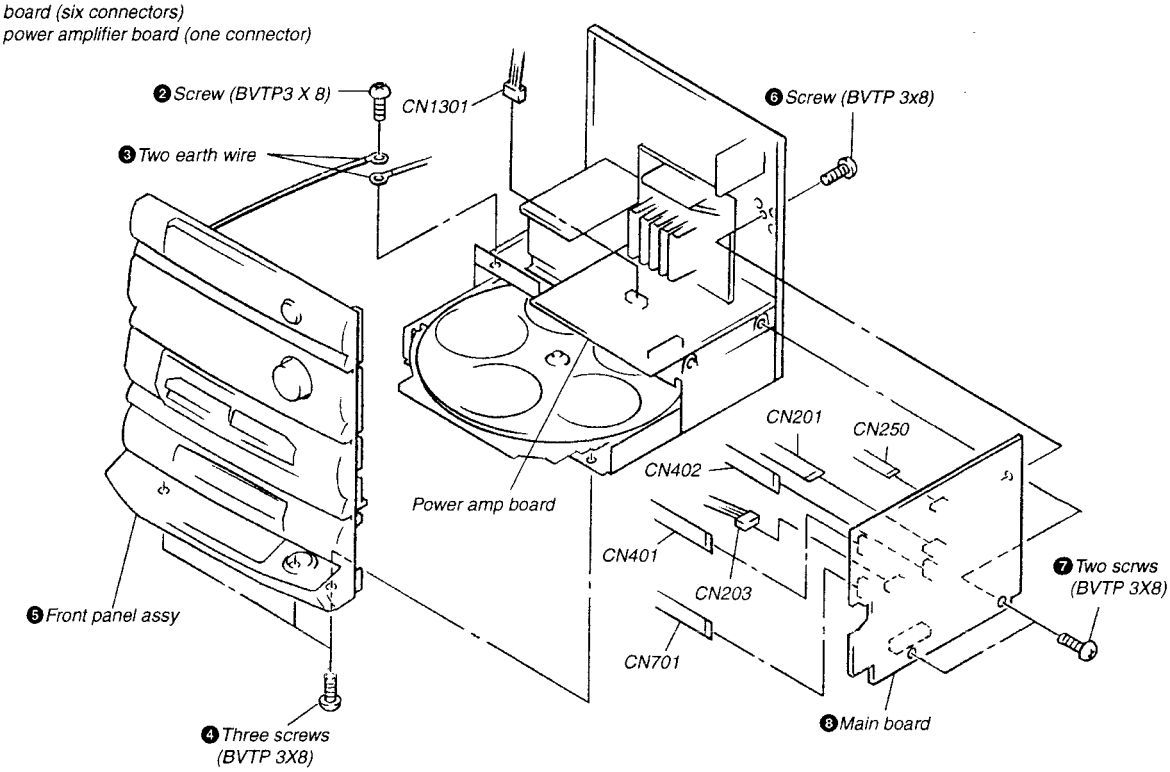


1 FUNCTION button (8, 16)
2 SLEEP button (29)
3 CD ▷ (play) button (8)
4 TUNER/BAND button (13)
5 DECK A ◁ ▷ button (16)
6 DECK B ◁ ▷ button (16)
7 AMS ⏮ / ⏭ (TUNING +/–) buttons (13)
8 ◀◀ / ▶▶ buttons (8)
9 MUSIC MENU buttons (23)
10 PRO LOGIC ON/OFF button (27)
11 T. TONE ON/OFF button (28)
12 DSP MODE button (24)
13 LOOP button (11)
14 DSP LEVEL button (25)
15 POWER button (8)
16 EDIT button (17)
17 CHECK button (10, 19)
18 CLEAR button (10)
19 D.SKIP button (8)
20 ■ (stop) button (8)
21 ❚❚ (pause) button (8)
22 CENTER LEVEL +/– buttons (27)
23 REAR LEVEL +/– buttons (27)
24 VOLUME +/– buttons (23, 27)

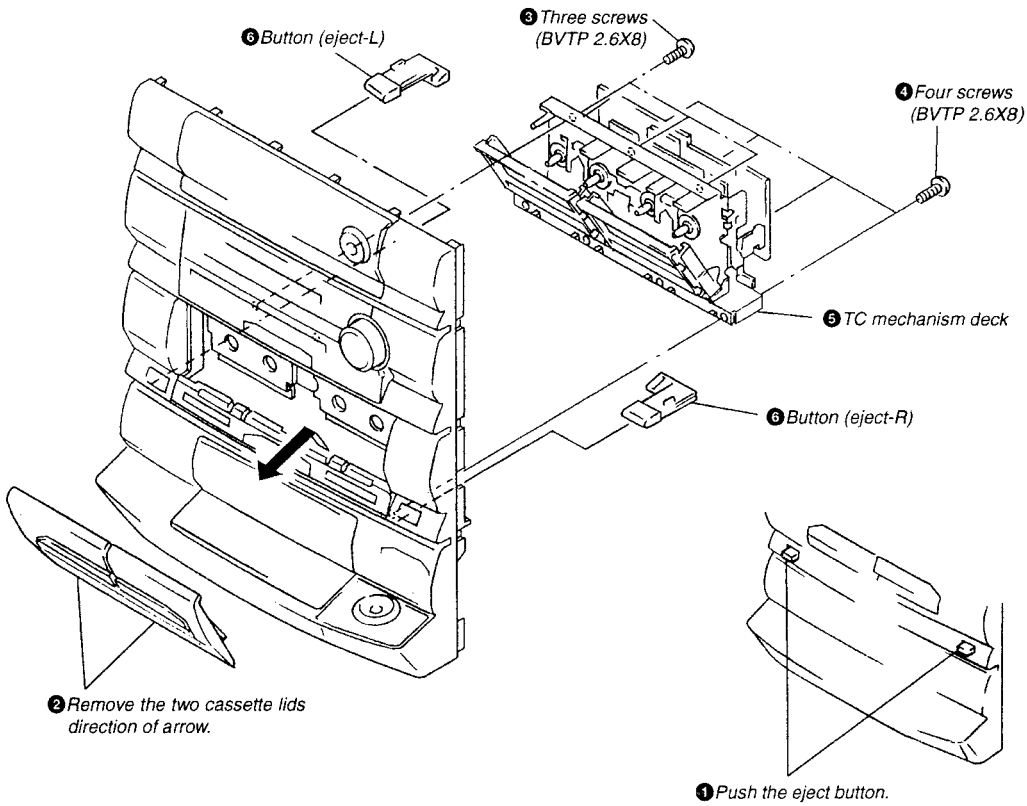
SECTION 2
DISASSEMBLY

Note: Follow the disassembly procedure in the numerical order given.

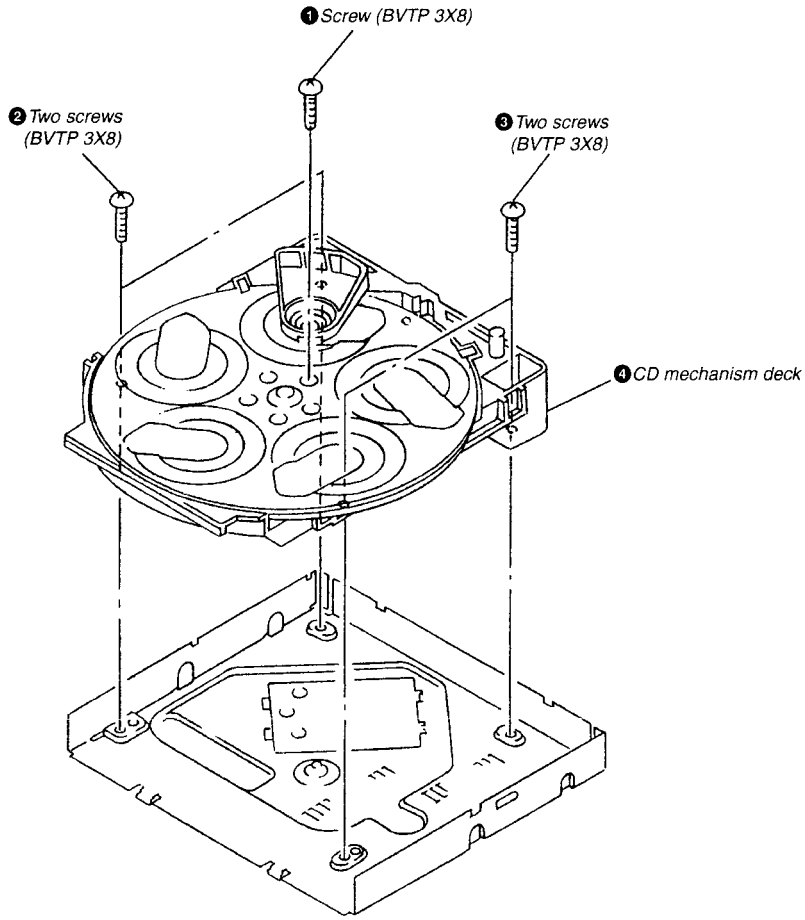
2-1. FRONT PANEL ASSY AND MAIN BOARD



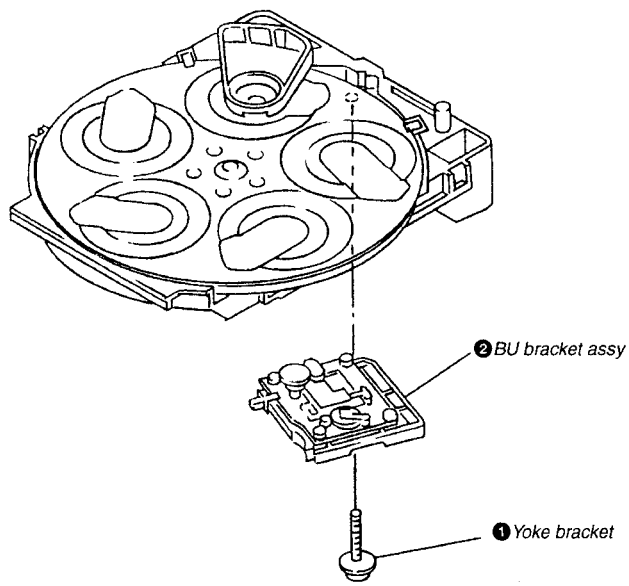
2-2. TC MECHANISM DECK



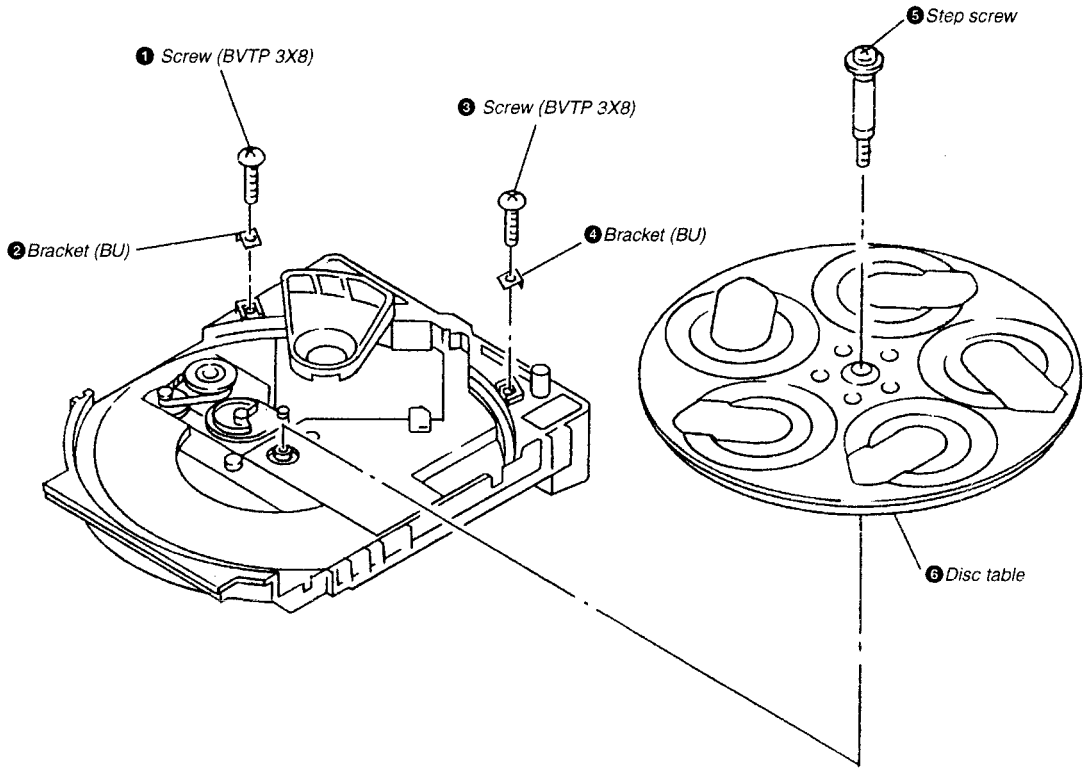
2-3. CD MECHANISM DECK



2-4. BU BRACKET ASSY



2-5. DISC TABLE



SECTION 3
MECHANICAL ADJUSTMENTS

PRECAUTION

1. Clean the following parts with a denatured alcohol-moistened swab :
   record/playback heads — pinch rollers
   erase head — rubber belts
   capstan — idlers
2. Demagnetize the record/playback head with a head demagnetizer.
3. Do not use a magnetized screwdriver for the adjustments.
4. The adjustments should be performed with the rated power supply voltage unless otherwise noted.

Torque Measurement

Torque	Torque meter	Meter reading
FWD	CQ-102C	36 to 61g • cm (0.5–0.84 oz • inch)
FWD back tension	CQ-102C	2 to 6g • cm (0.02–0.08 oz • inch)
REV	CQ-102RC	36 to 61g • cm (0.5–0.84 oz • inch)
REV back tension	CQ-102RC	2 to 6g • cm (0.02–0.08 oz • inch)
FF/REW	CQ-201B	61 to 143g • cm (0.85–1.99 oz • inch)
FWD tension	CQ-403A	100g or more (3.53 oz or more)
REV tension	CQ-403R	100g or more (3.53 oz or more)

SECTION 4
ELECTRICAL ADJUSTMENTS

DECK SECTION **0 dB=0.775V**

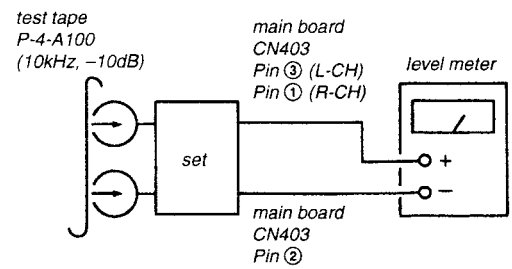
1. Demagnetize the record/playback head with a head damagnetizer.
2. Do not use a magnetized screwdriver for the adjustments.
3. After the adjustments, apply suitable locking compound to the parts adjusted.
4. The adjustmetns should be performed with the rated power supply voltage unless otherwise noted.
5. The adjustments should be performed in the order given in this service manual. (As a general rule, playback circuit adjustment should be completed before performing recording circuit adjustment.)
6. The adjustments should be performed for both L-CH and R-ch.
7. Switches and controls should be set as follows unless otherwise specified.
   DOLBY NR switch : OFF (US, CND, AEP, UK, G, IT model)

Tape	Signal	Used for
P-4-A100	10 kHz, –10 dB	Azimuth Adjustment
WS-48B	3 kHz, 0 dB	Tape Speed Adjustment
P-4-L300	315 Hz, 0 dB	Level Adjustment

Record/Playback Head Azimuth Adjustment

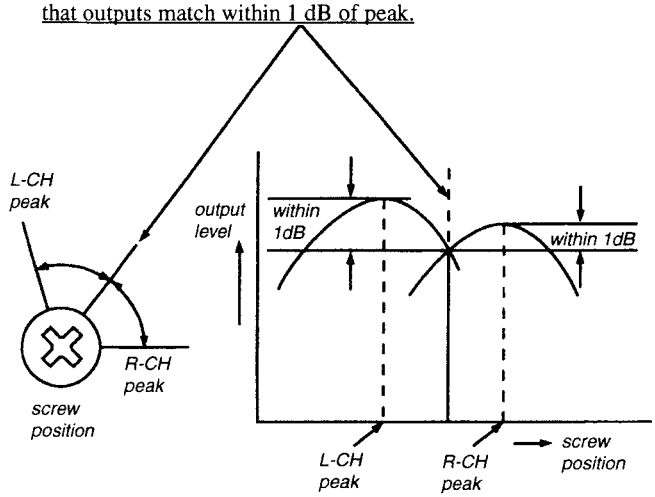
DECK A **DECK B**

Note : Perform this adjustments for both decks.
Procedure :
1. Mode : Playback (FWD)

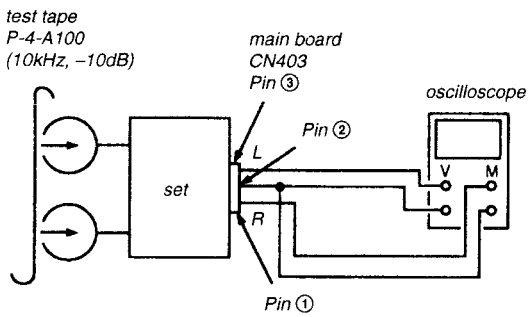


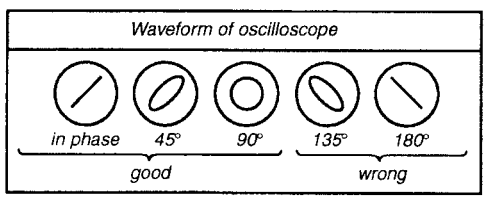
- Abbreviation
  CND : Canadian model.
  G : German model.
  IT : Italian model.

2. Turn the adjustment screw and check output peaks. If the peaks do not match for L-CH and R-CH, turn the adjustment screw so that outputs match within 1 dB of peak.



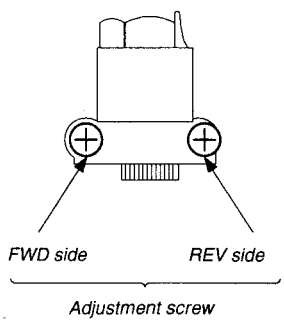
3. Mode : Playback (FWD)





4. Repeat steps 1 to 3 in playback (REV) mode.
5. After the adjustments, apply suitable locking compound to the parts adjusted.

Adjustment Location : Record/Playback Head (Deck A and B)



Tape Speed Adjustment DECK A

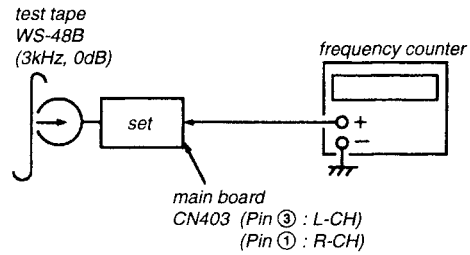
NOTE : Start the tape speed adjustment as bellow after setting the test mode.The tape speed can be changed with the HIGH SPEED DUBBING button during the test mode.

Method :

1. Turn the power switch on.
2. Press the DISPLAY/DEMO button, MENU 1 button and TUNER/ BAND button simulateously.

Procedure :

Mode : Playback (FWD)



1. Insert tha WS-48B into the deck A to playback.
2. Press the HIGH SPEED DUBBING button. Then at HIGH SPEED mode.
3. Adjust RV652 on the MD board so that the frequency counter reading becomes 6,000 ± 30 Hz.
4. Press the HIGH SPEED DUBBING button again to be set the NORMAL SPEED mode.
5. Set to the playback mode.
6. Adjust RV651 on the MD board so that the frequency counter reading becomes 3,000 ± 15 Hz.

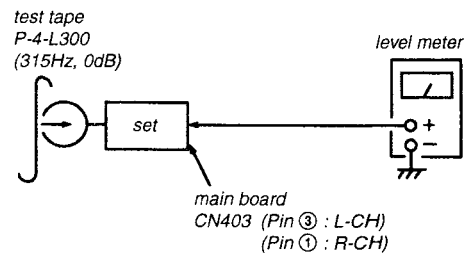
Frequency difference between deck A and deck B the beginning of the tape should be within ± 1.5%.

Adjustment Location : MD board

Playback Level Adjustment DECK A DECK B

Procedure :

Mode : Playback (FWD)



Deck A is RV311 (L-CH) and RV411 (R-CH), deck B is RV301 (L-CH) and RV401 (R-CH) so that adjustment within the following adjustment level.

Adjustment level :

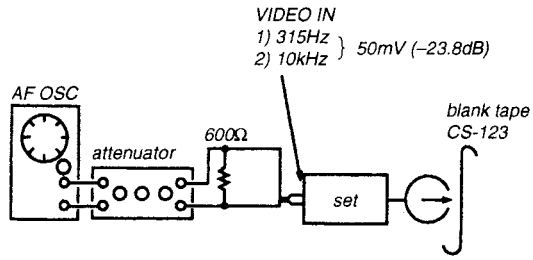
CN403 PB level : 301.5 to 338.3 mV (–8.2 to –7.2 dB)
level difference between the channels : within ± 0.5 dB

Adjustment Location : MD board

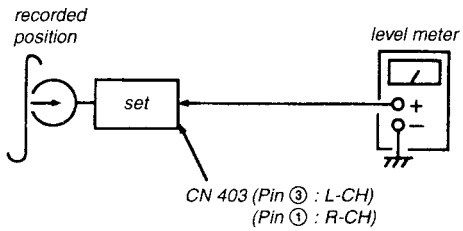
Record Bias Current Adjustment DECK B

Procedure :

1. Mode : record



2. Mode : Playback



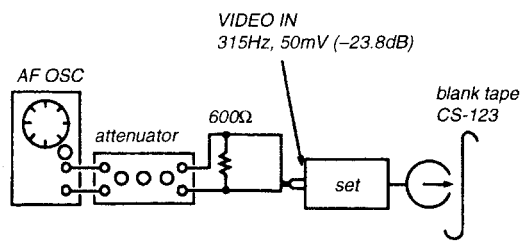
Confirm playback the signal recorded in step 1 become adjustment level as follows.
If these levels do not adjustment level, adjust the RV341 (L-CH) and RV441 (R-CH) on the MD board to repeat step 1 and 2.

Adjustment level : The playback output of 10 kHz level difference against 315Hz reference should be ± 0.5 dB
Adjustment Location : MD board

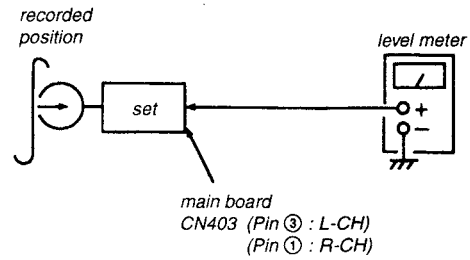
Record Level Adjustment DECK B

Procedure :

1. Mode : record



2. Mode : Playback

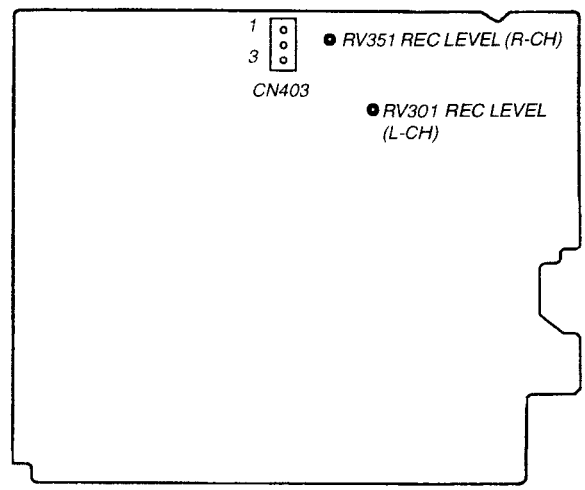


Confirm playback the signal recorded in step 1 become adjustment level as follows.
If these levels do not adjustment level, adjust the RV301 (L-CH) and RV351 (R-CH) on the main board to repeat steps 1 and 2.

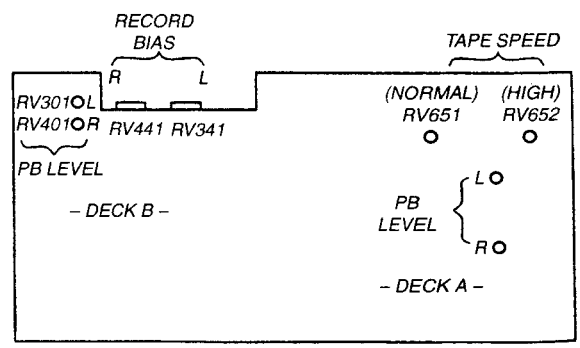
Adjustment level: CN 403 PB level: 47.2 to 53.0 mV
(–24.3 to –23.3 dB)
Adjustment Location : main board

Adjustment Location

[MAIN BOARD] (Component Side)



[MD BOARD] (Conductor Side)



TUNER SECTION | 0dB=1μV

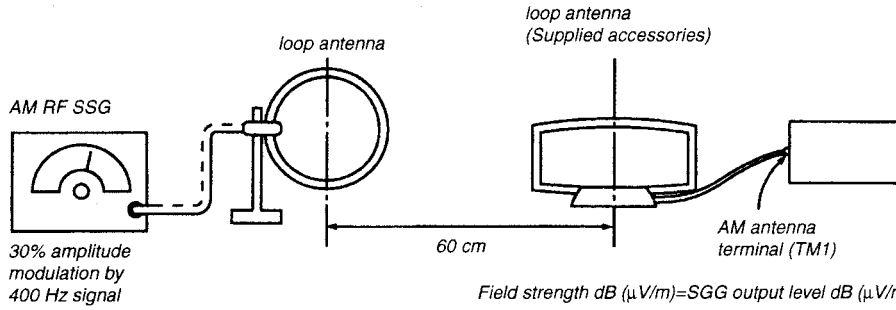
Note : As a front-end (FE1) is difficult to repair if faulty, replace it with new one.

- Abbreviation
  G : German model
  IT : Italian model

AM Tuned Level Adjustment

Note : FM Tuned Level adjustment should be performed after this AM Tuned Level adjustment.

Setting :
Band : AM or MW



Carrier frequency : 999kHz (at 9kHz step)
1050kHz (at 10 kHz step)

Field strength dB (μV/m)=SGG output level dB (μV/m)–26dB.

Procedure :

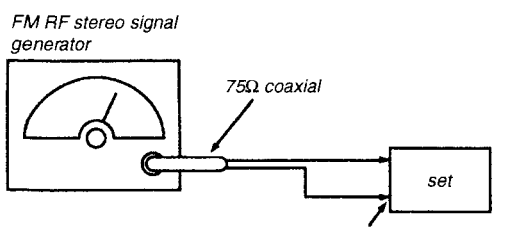
1. Set the output of SGG so that the input level of the set becomes 55 dB.
2. Tune the set to 999 kHz or 1050 kHz .
3. Adjust RV41 (AEP, UK, IT, G models), RV42 (other models) to the point (moment) when the TUNED indicator will change from going off to going on.

Adjustment Location : TCB board

FM Tuned Level Adjustment

Note : This adjustment should be performed after the AM Tuned Level Adjustement.

Setting :
Band : FM



Carrier frequency : 98MHz
Modulation : AUDIO 1kHz, 75kHz deviation (100%)
Output level : 25dB (at 75Ω open)

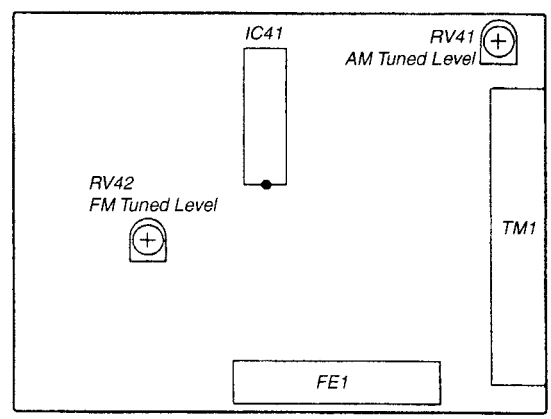
Procedure :

1. Supply a 25dB 98 MHz signal from the ANTENNA terminal.
2. Tune the set to 98 MHz.
3. Adjust RV42 (AEP, UK, IT, G models), RV41 (other models) to the point (moment) when the TUNED indicator will change from going off to going on.

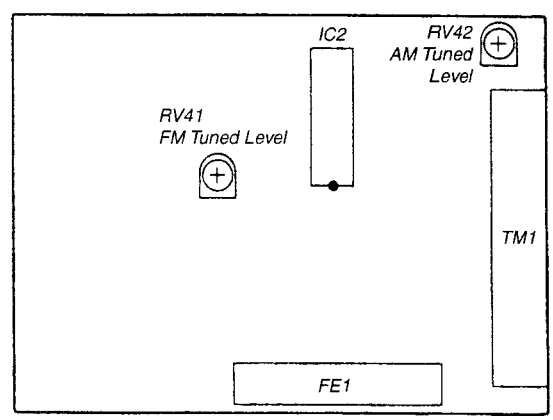
Adjustment Location : TCB board

Adjustment Location

AEP, UK, G, IT model
[TCB BOARD] (Component Side)



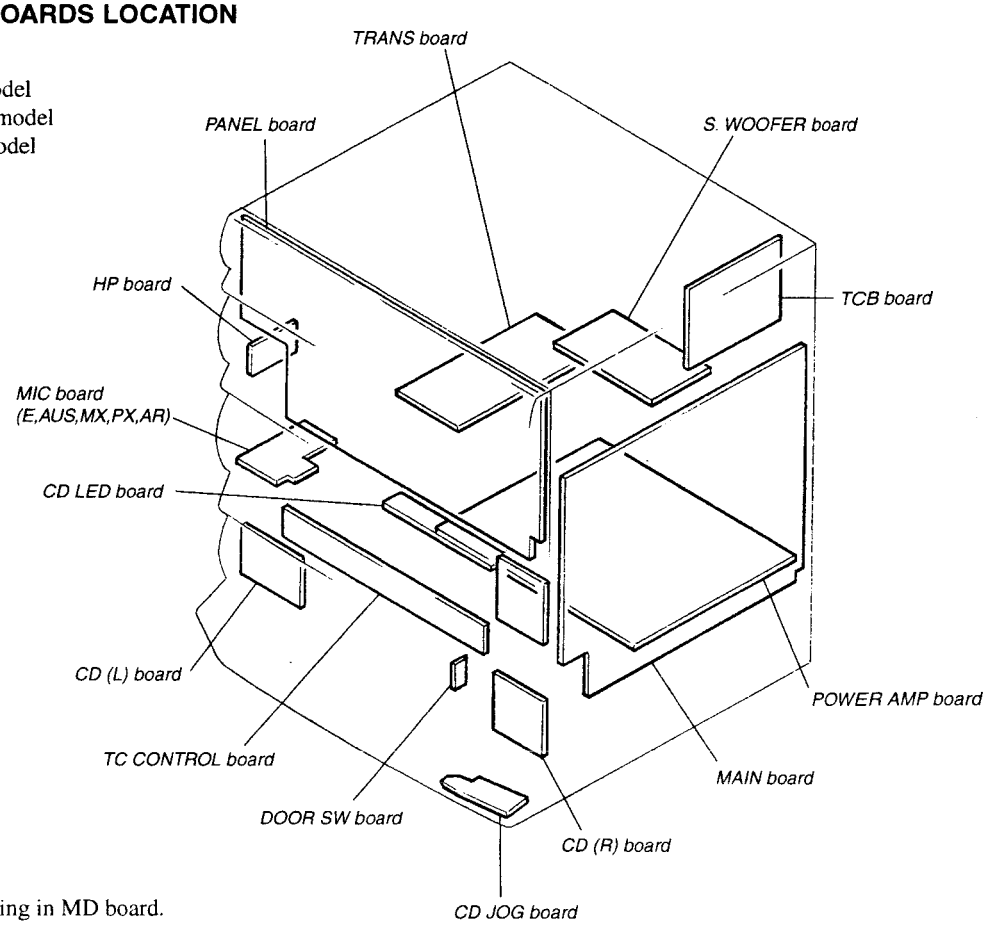
Other model
[TCB BOARD] (Component Side)



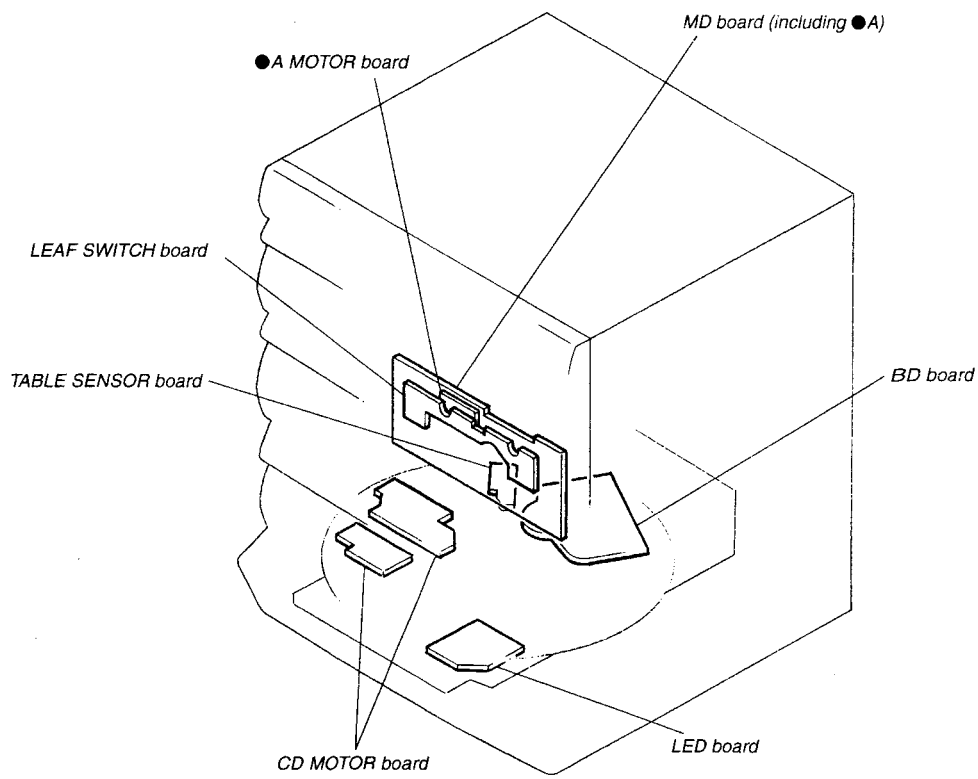
SECTION 5
DIAGRAMS

5-1. CIRCUIT BOARDS LOCATION

- Abbreviation
  MX: Mexican model
  AUS: Australian model
  AR: Argentine model



Note: ●A is including in MD board.



5-2. IC PIN FUNCTIONS

• IC501 GRAPHIC CONTROL (ASD0204)

Pin No.	Pin Name	I/O	Function
1	V_{DD}	–	+5V
2	$\overline{LED8}$	O	LED drive signal output.
3, 4	$\overline{LDE7, 6}$	O	LED drive signal output.
5-9	$\overline{LED5–1}$	O	LED drive signal output.
10	$\overline{RESET}$	I	Reset signal input.
11	X2	O	X' tal (4 MHz).
12	X1	I	
13	IC (Vpp)	–	GND
14	XT2	I	Not used.
15	JOG B	I	AMS encoder signal input.
16	V_{DD}	–	+5V
17, 18	$\overline{LED10, 9}$	O	LED drive signal output.
19	KEY SEL	O	Key select control.
20	VOL B	I	Volume encoder signal input.
21	REQ. GM	O	Request signal from/to master control.
22	CLK MG	I	Serial clock input.
23	DATA GM	O	Serial data output.
24	DATA MG	I	Serial data input.
25	AV_{SS}	–	GND
26-29	SPEANA 4–1	I	Spectram analizer signal input.
30-33	KEY 4–1	I	Key matrix input.
34	AV_{DD}	–	+5V
35	AV_{REF}	–	
36	VOL A	I	Volume encoder signal input.
37	JOG A	I	AMS encoder signal input.
38	RDY MG	I	Ready signal from master control.
39	SIRCS	I	SIRCS signal input.
40	V_{SS}	–	GND
41	DOR SW	I	CD door open detection input.
42	LED SELECT	O	LED select signal output.
43-45	$\overline{LED13–11}$	O	LED drive signal output.
46	V_{DD}	–	+5V
47, 48	LEDS7, 6	O	Not used.
49, 50	LEDS5, 4	O	Not used. (Pull down)
51-53	LEDS3–1	O	LED drive signal output.
54-78	SEG32–8	O	FL segment signal output.
79	V, LOAD	–	–25V for FL
80-86	SEG7–1	O	FL segment signal output.
87-100	GR14–1	O	FL grid signal output.

• Abbreviation
FL: Fluorescent Indicator Tube
GND: Ground

• **IC701 MASTER CONTROL (TMP87CS64YF)**

Pin No.	Pin Name	I/O	Function
1	VSS	–	GND
2	XOUT	O	X' tal (10 MHz).
3	XIN	I	
4	RESET	I	Reset signal input.
5	XOUT	O	X' tal for clock (32.768 kHz)
6	XIN	I	
7	GND (test)	–	GND
8	AC CUT	I	Back up signal input.
9	SUPER WOOFER ON	O	Super woofer ON/OFF control.
10	ST-MUTE ON	O	Mute signal output for tuner.
11	180-A-PLAY	I	Tape detection sigal input. (Connected to GND)
12	180-B-PLAY	I	
13	180-B-REC	I	
14	V. DET	I	Voltage detection (Not used).
15	BD-UP (5CD)	I	Disc table up detect.
16	TRAY CLOSE (1CD)	I	Connected to GND
17	ENCODER-1	I	Input selector control signal output. (Pull up)
18	ENCODER-2	I	
19	ENCODER-3	I	
20	OUT SW OPEN	I	Out switch signal input. (Pull up)
21	LOAD IN	O	Loading motor control signal output. (Not used)
22	LOAD OUT	O	
23	TBL-L	O	Table motor control signal output.
24	TBL-R	O	
25	SCOR	I	Sub-code sync signal input.
26	TBL-SENS	I	CD Table sensor signal input.
27	RDS INT	I	RDS data start input.
28	RDS DATA	I	RDS data output.
29	DF LAT	O	Latch signal for digital filter.
30	SENS	I	Table sence signal input.
31	XRST	O	Reset signal output for CD.
32	MG-RDY	O	Ready signal to graphic control.
33	ADJ	I	Test mode input.
34	GM-REQ	I	Request signal from graphic control.
35	MG-CLK	O	Clock signal to graphic control.
36	GM-DATA	I	Data input from graphic control.
37	MG-DATA	O	Data output to graphic control.
38	CD-CLK	O	Clock output. Serial bus line.
39	ADJ-2	I	Test mode input.
40	CD-DATA	O	Data output. Serial bus line.

• Abbreviation
FL : Fluorescent Indicator Tube
GND : Ground

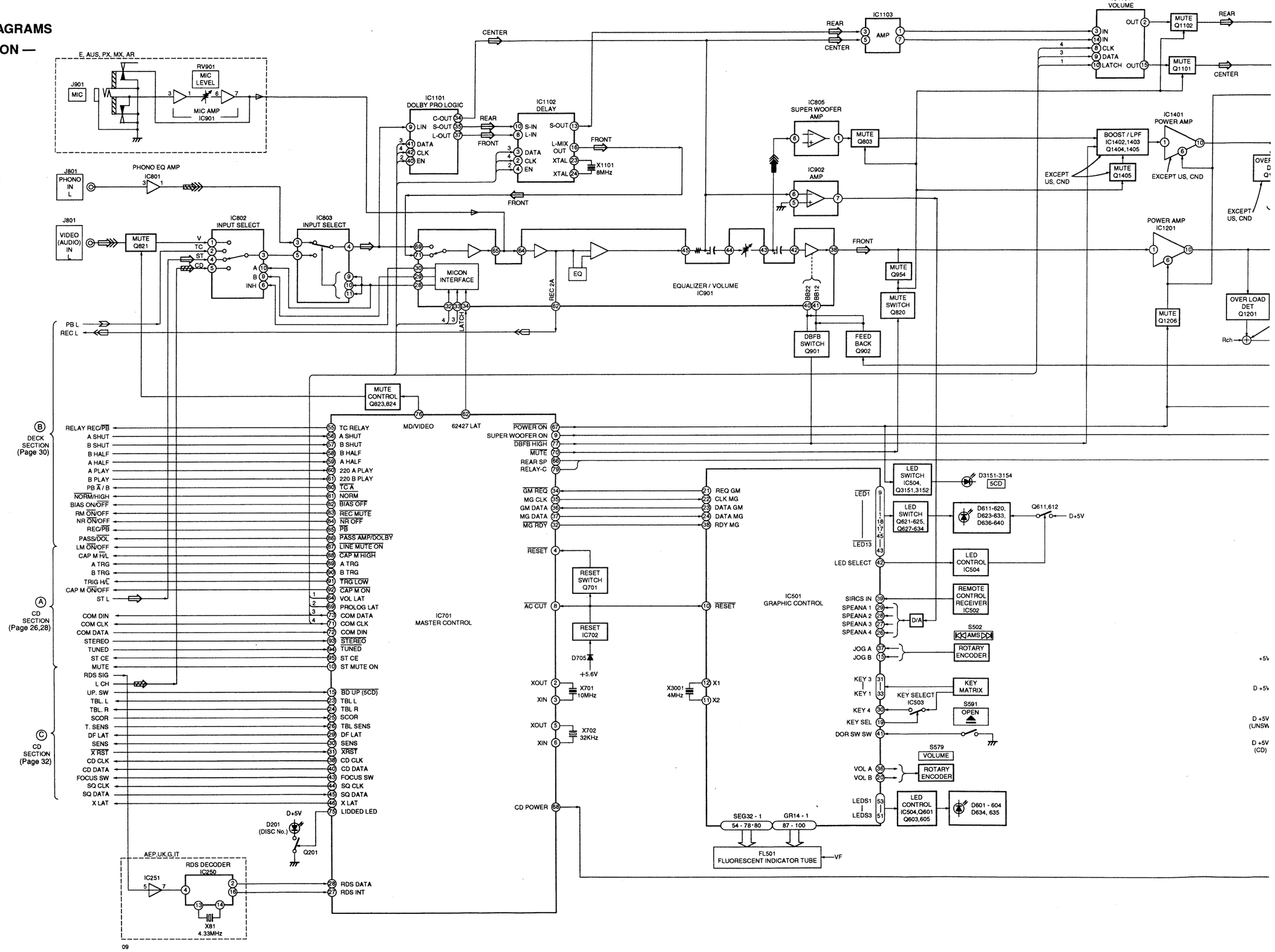
Pin No.	Pin Name	I/O	Function
41	AUB IN	I	Audio bus in/output. (Not used)
42	AUB OUT	O	
43	FOCUS SW	O	Focus switching signal output.
44	SQ-CLK	O	Subcode Q data read clock output.
45	SQ-DATA	I	Subcode Q data input.
46	X-LAT	O	Latch signal digital signal processor.
47	TEST	I	Test land.
48	VAREF	I	Analog reference voltage input.
49	AVSS	–	GND
50	VSS	–	
51	VDD	–	+5V
52	SPEC	I	Destination detection input.
53	DESTINATION	I	
54	DISC SENS	I	Not used.
55	TC RELAY	O	REC/PB select signal output.
56	A-SHUT	I	Control signal input form deck.
57	B-SHUT	I	
58	B-HALF	I	
59	A-HALF	I	
60	220-A-PLAY	I	
61	220-B-PLAY	I	
62	62427 LAT	O	PLL latch output.
63	K-CON-LAT	O	Not used.
64	VOL LAT (AV)	O	Latch signal for electrical volume. (Not used)
65	FRONT SP RELAY B	O	Not used.
66	REAR SP RELAY C	O	Rear speaker relay control output.
67	POWER ON	O	Power on signal output
68	CD POWER	O	CD power control signal output.
69	RPOLOG LAT	O	Not used.
70	MUTE	O	Mute signal for AMP.
71	COM CLK	O	PLL clock output. (PLL, Function, Graphic Equalizer)
72	COM DIN	I	PLL data input. (PLL, Function, Graphic Equalizer)
73	COM DATA	O	PLL data output. (PLL, Function, Graphic Equalizer)
74	K CON ON	O	Not used.
75	LIDDED LED	O	Disc No. LED drive signal output.
76	MD/VIDEO	O	MD/VIDEO select output.
77	DBFB-HIGH	O	DBFB switching signal output.
78	PWM-OUT	I	Not used.
79	PRO-LOGIC	O	Dolby pro-logic control ourput.
80	TC A	O	Deck A, B select output.

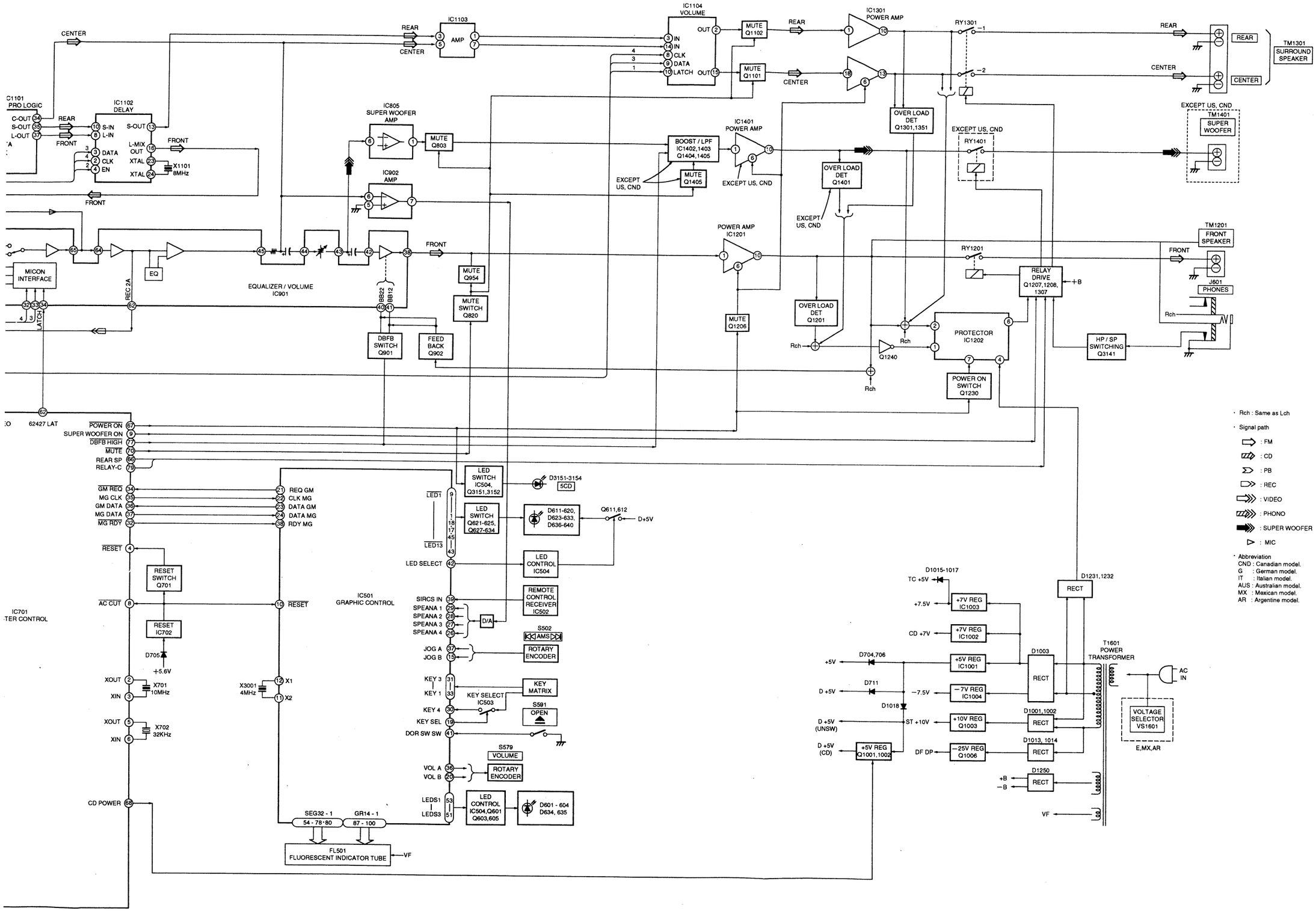
Pin No.	Pin Name	I/O	Function
41	AUB IN	I	Audio bus in/output. (Not used)
42	AUB OUT	O	
43	FOCUS SW	O	Focus switching signal output.
44	SQ-CLK	O	Subcode Q data read clock output.
45	SQ-DATA	I	Subcode Q data input.
46	X-LAT	O	Latch signal digital signal processor.
47	TEST	I	Test land.
48	VAREF	I	Analog reference voltage input.
49	AVss	–	GND
50	Vss	–	
51	VDD	–	+5V
52	SPEC	I	Destination detection input.
53	DESTINATION	I	
54	DISC SENS	I	Not used.
55	TC RELAY	O	REC/PB select signal output.
56	A-SHUT	I	Control signal input form deck.
57	B-SHUT	I	
58	B-HALF	I	
59	A-HALF	I	
60	220-A-PLAY	I	
61	220-B-PLAY	I	
62	62427 LAT	O	PLL latch output.
63	K-CON-LAT	O	Not used.
64	VOL LAT (AV)	O	Latch signal for electrical volume. (Not used)
65	FRONT SP RELAY B	O	Not used.
66	REAR SP RELAY C	O	Rear speaker relay control output.
67	$\overline{\text{POWER ON}}$	O	Power on signal output
68	CD POWER	O	CD power control signal output.
69	$\overline{\text{RPOLOG LAT}}$	O	Not used.
70	$\overline{\text{MUTE}}$	O	Mute signal for AMP.
71	COM CLK	O	PLL clock output. (PLL, Function, Graphic Equalizer)
72	COM DIN	I	PLL data input. (PLL, Function, Graphic Equalizer)
73	COM DATA	O	PLL data output. (PLL, Function, Graphic Equalizer)
74	$\overline{\text{K CON ON}}$	O	Not used.
75	LIDDED LED	O	Disc No. LED drive signal output.
76	MD/VIDEO	O	MD/VIDEO select output.
77	$\overline{\text{DBFB-HIGH}}$	O	DBFB switching signal output.
78	$\overline{\text{PWM-OUT}}$	I	Not used.
79	PRO-LOGIC	O	Dolby pro-logic control ourput.
80	$\overline{\text{TC A}}$	O	Deck A, B select output.

Pin No.	Pin Name	I/O	Function
81	$\overline{\text{NORM}}$	O	NORMAL/HIGH control signal output.
82	$\overline{\text{BIAS OFF}}$	O	Bias oscillation output.
83	$\overline{\text{REC MUTE}}$	O	Mute output.
84	$\overline{\text{NR OFF}}$	O	Dolby ON/OFF signal output.
85	$\overline{\text{PB}}$	O	REC/PB control signal output.
86	$\overline{\text{PASS. AMP/DOLBY}}$	O	Dolby switching signal output.
87	$\overline{\text{LINE MUTE ON}}$	O	Mute signal output for deck.
88	$\overline{\text{CAP. M-HIGH}}$	O	Capstan motor control signal output.
89	A-TRG	O	Trigger motor control signal output.
90	B-TRG	O	
91	$\overline{\text{TRG LOW}}$	O	Trigger motor high/low control signal output.
92	$\overline{\text{CAP M ON}}$	O	Capstan motor ON/OFF control signal output.
93	$\overline{\text{STEREO}}$	I	Stereo detection signal from tuner.
94	$\overline{\text{TUNED}}$	I	Tuned detection signal from tuner.
95	ST-CE	O	Latch signal output for tuner.
96	$\overline{\text{DELAY SEL MIC}}$	O	Not used.
97	$\overline{\text{DELAY ON}}$	O	ECHO delay ON/OFF control signal output (Not used)
98	DELAY LEVEL A	O	ECHO delay level control signal output (Not used)
99	DELAY LEVEL B	O	
100	VDD	–	+5V

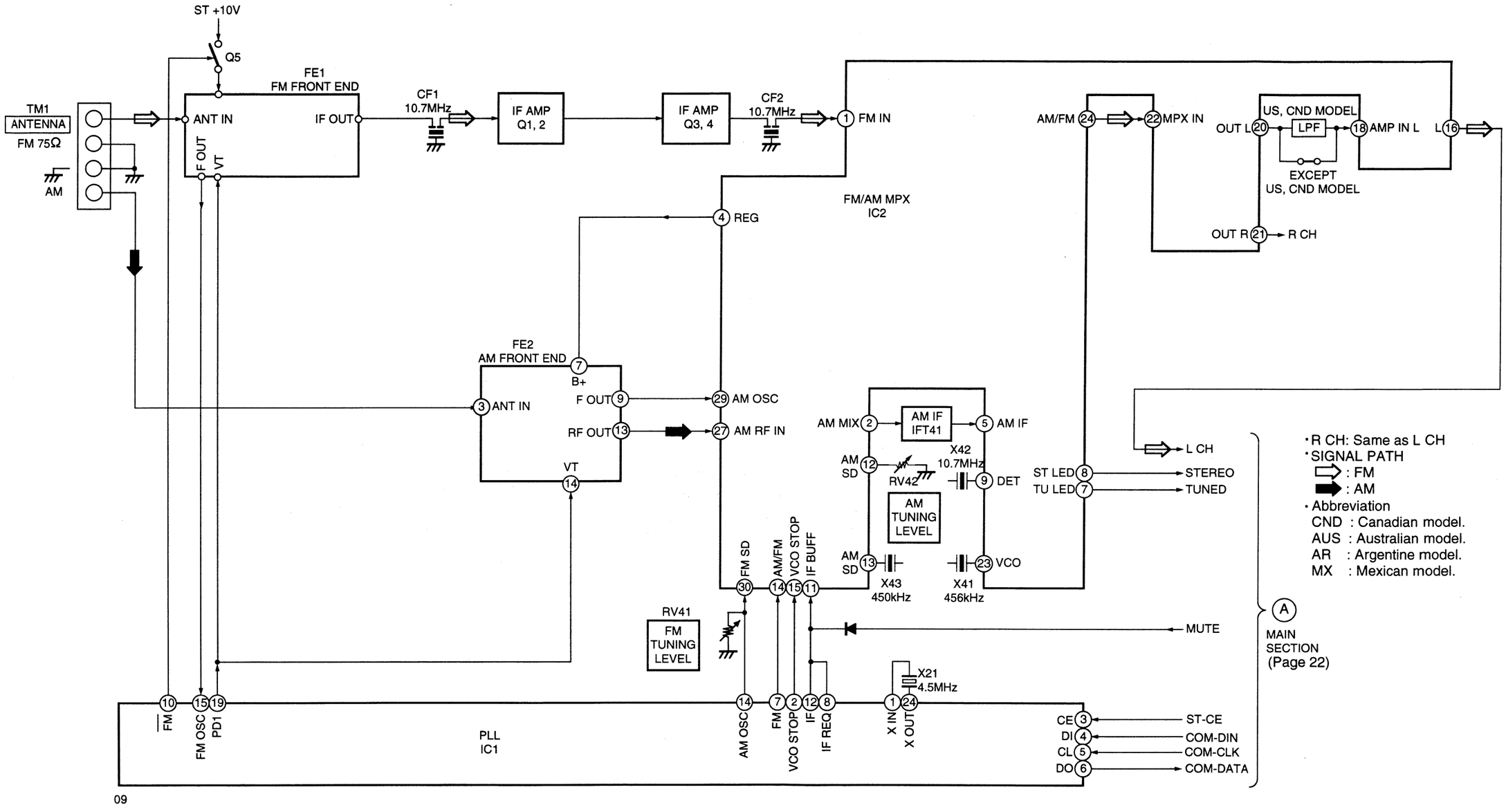
5-3. BLOCK DIAGRAMS

— MAIN SECTION —



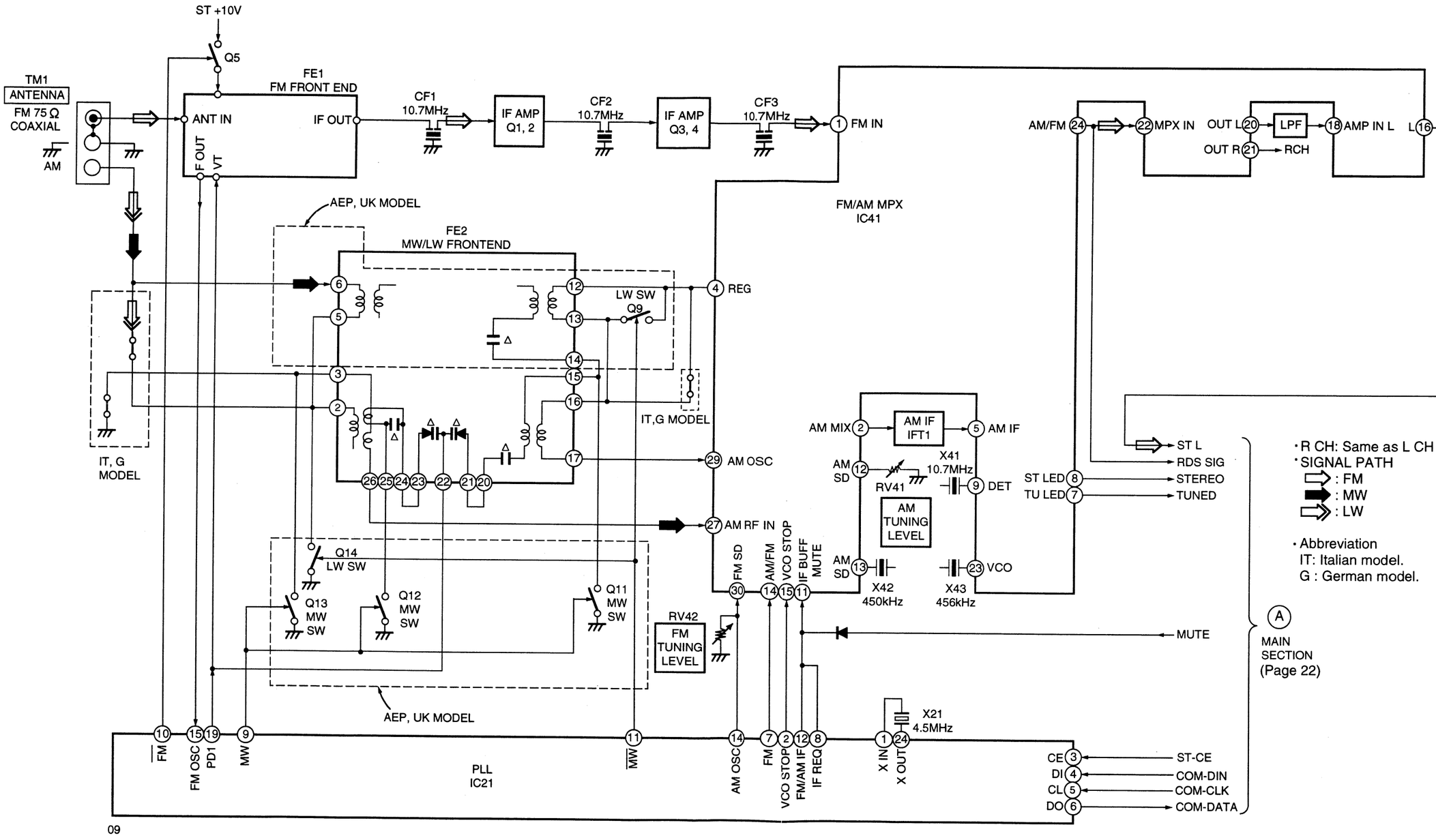

CENTER
REAR
CENTER
IC1103
AMP
IC1104
VOLUME
IN
IN
CLK
DATA
LATCH
OUT
OUT
MUTE Q1102
MUTE Q1101
REAR
CENTER
IC1301
POWER AMP
RY1301
REAR
CENTER
TM1301
SURROUND SPEAKER
C1101
PRO LOGIC
C-OUT
S-OUT
L-OUT
IC1102
DELAY
REAR
FRONT
S-IN
L-IN
DATA
CLK
EN
S-OUT
L-MIX OUT
XTAL
XTAL
X1101
8MHz
FRONT
IC805
SUPER WOOFER AMP
MUTE Q803
IC902
AMP
FRONT
BOOST / LPF
IC1402,1403
Q1404,1405
MUTE Q1405
EXCEPT US, CND
IC1401
POWER AMP
EXCEPT US, CND
OVER LOAD DET Q1301,1351
EXCEPT US, CND
RY1401
EXCEPT US, CND
TM1401
SUPER WOOFER
OVER LOAD DET Q1401
EXCEPT US, CND
POWER AMP
IC1201
TM1201
FRONT SPEAKER
RY1201
FRONT
MICON INTERFACE
EQ
REC 2A
EQUALIZER / VOLUME
IC901
BB22
BB12
MUTE Q954
MUTE SWITCH Q820
RELAY DRIVE Q1207,1208, 1307
+B
J601
PHONES
Rch
OVER LOAD DET Q1201
MUTE Q1206
Rch
Rch
Q1240
PROTECTOR IC1202
HP / SP SWITCHING Q3141
DBFB SWITCH Q901
FEED BACK Q902
POWER ON SWITCH Q1230
62427 LAT
POWER ON
SUPER WOOFER ON
DBFB HIGH
MUTE
REAR SP RELAY-C
GM REQ
MG CLK
GM DATA
MG DATA
MG RDY
REQ GM
CLK MG
DATA GM
DATA MG
RDY MG
LED SWITCH IC504, Q3151,3152
D3151-3154
5CD
LED SWITCH Q621-625, Q627-634
D611-620, D623-633, D636-640
Q611,612
D+5V
LED1
LED13
LED SELECT
LED CONTROL IC504
RESET
RESET SWITCH Q701
RESET
AC CUT
RESET
RESET IC702
D705
+5.6V
IC701
TER CONTROL
IC501
GRAPHIC CONTROL
REMOTE CONTROL RECEIVER IC502
SIRCS IN
SPEANA 1
SPEANA 2
SPEANA 3
SPEANA 4
D/A
S502
AMS
JOG A
JOG B
ROTARY ENCODER
KEY 3
KEY 1
KEY 4
KEY SEL
DOR SW SW
KEY MATRIX
KEY SELECT IC503
S591
OPEN
S579
VOLUME
VOL A
VOL B
ROTARY ENCODER
XOUT
XIN
X701
10MHz
X3001
4MHz
X1
X2
XOUT
XIN
X702
32KHz
LEDS1
LEDS3
LED CONTROL IC504,Q601 Q603,605
D601 - 604 D634, 635
CD POWER
SEG32 - 1
54 - 78 - 80
GR14 - 1
87 - 100
FL501
FLUORESCENT INDICATOR TUBE
VF
D1015-1017
TC +5V
+7.5V
+7V REG IC1003
CD +7V
+7V REG IC1002
D704,706
+5V
+5V REG IC1001
D711
D +5V
−7.5V
−7V REG IC1004
D1018
D +5V (UNSW)
ST +10V
+10V REG Q1003
D +5V (CD)
+5V REG Q1001,1002
DF DP
−25V REG Q1006
D1231,1232
RECT
D1003
RECT
D1001,1002
RECT
D1013, 1014
RECT
D1250
RECT
+B
−B
T1601
POWER TRANSFORMER
AC IN
VOLTAGE SELECTOR VS1601
E,MX,AR
VF
· Rch : Same as Lch
· Signal path
: FM
: CD
: PB
: REC
: VIDEO
: PHONO
: SUPER WOOFER
: MIC
* Abbreviation
CND : Canadian model.
G : German model.
IT : Italian model.
AUS : Australian model.
MX : Mexican model.
AR : Argentine model.

— TUNER SECTION — (US, CND, E, AUS, MX, PX, AR MODEL)



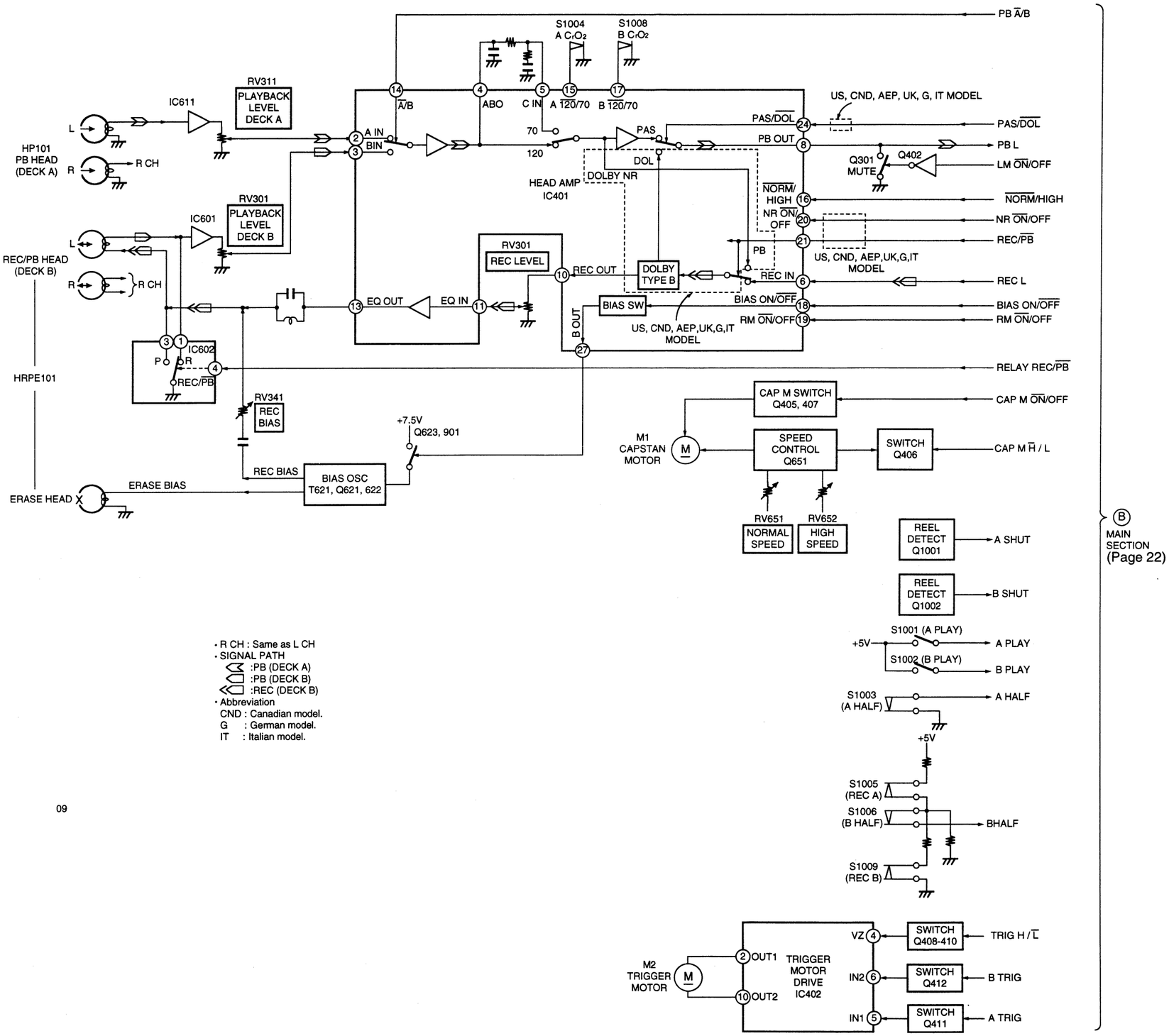
09

— TUNER SECTION — (AEP, UK, G, IT MODEL)



09

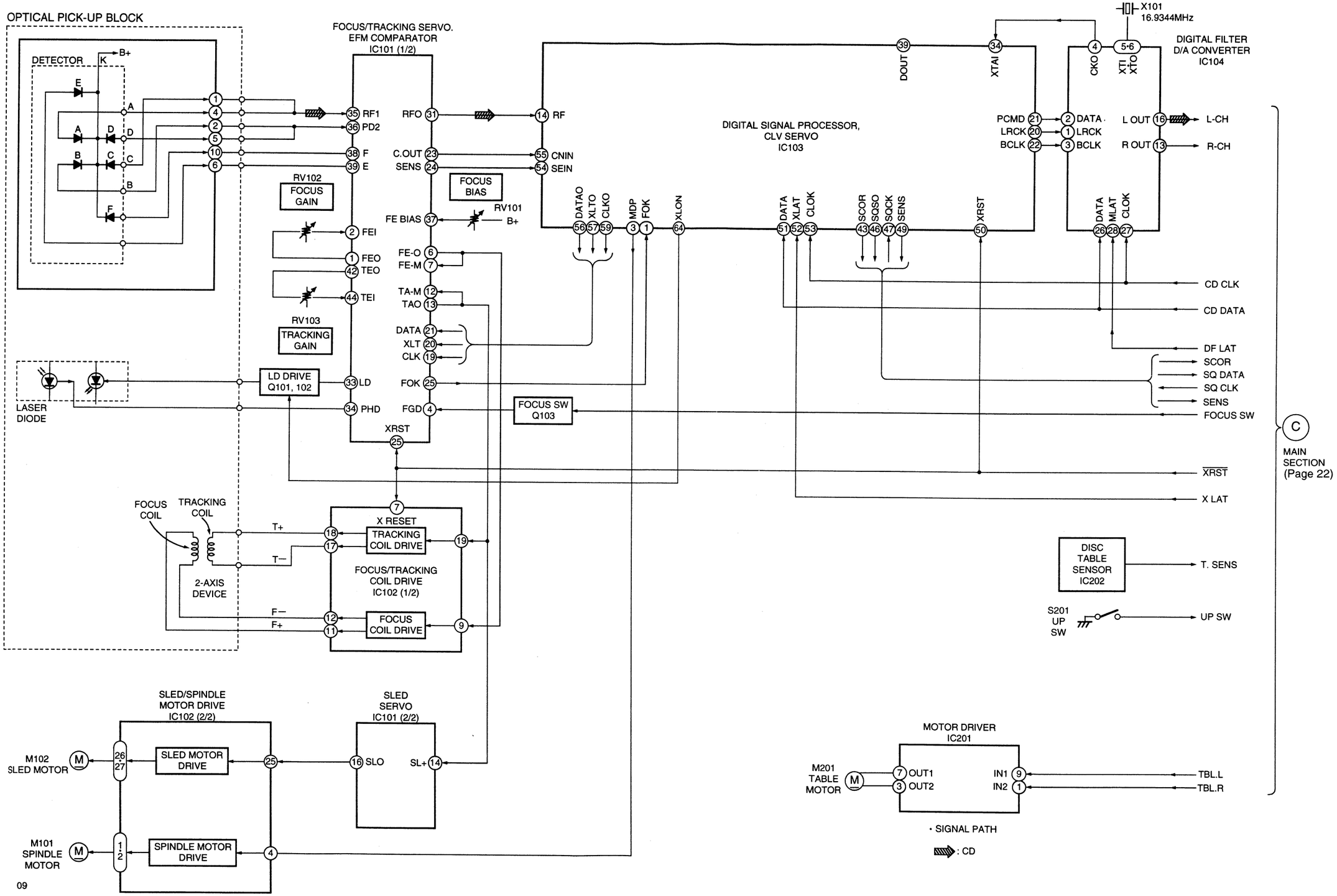
— DECK SECTION —



- R CH : Same as L CH
- SIGNAL PATH
  - :PB (DECK A)
  - :PB (DECK B)
  - :REC (DECK B)
- Abbreviation
  - CND : Canadian model.
  - G : German model.
  - IT : Italian model.

09

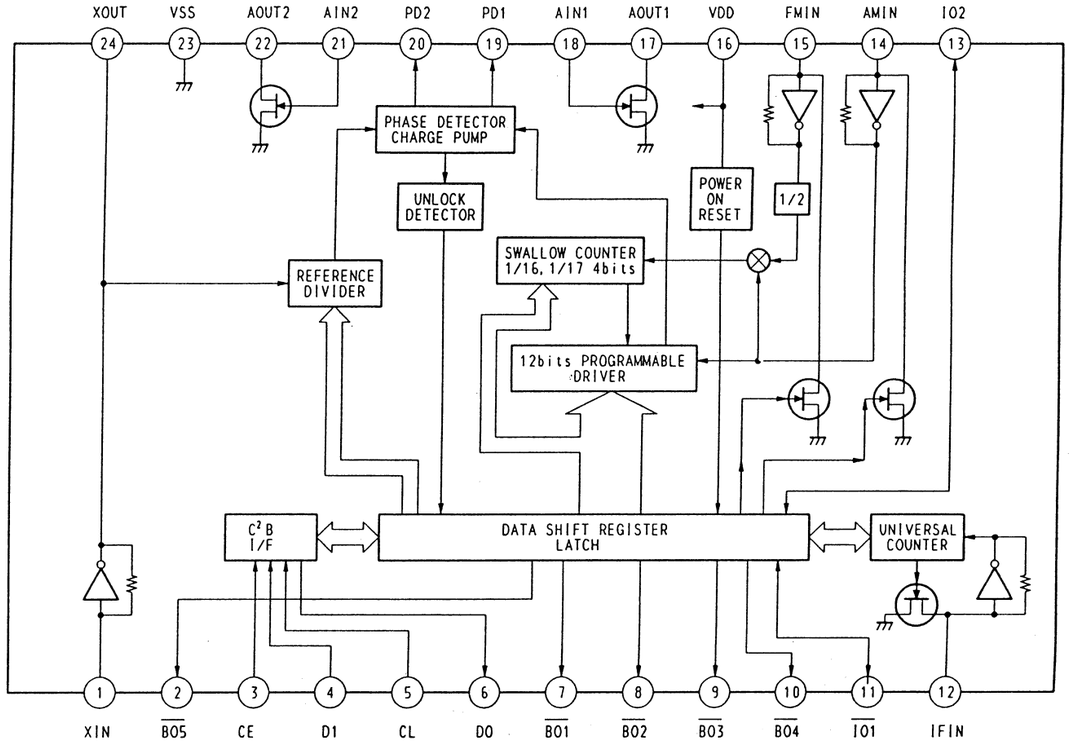
— CD SECTION —



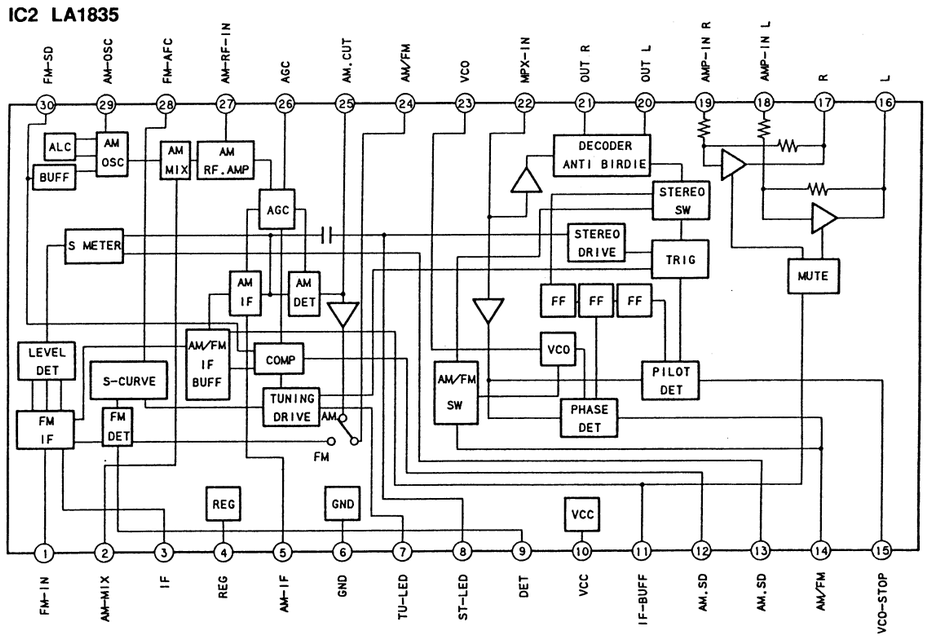
09

• **IC Block Diagrams**

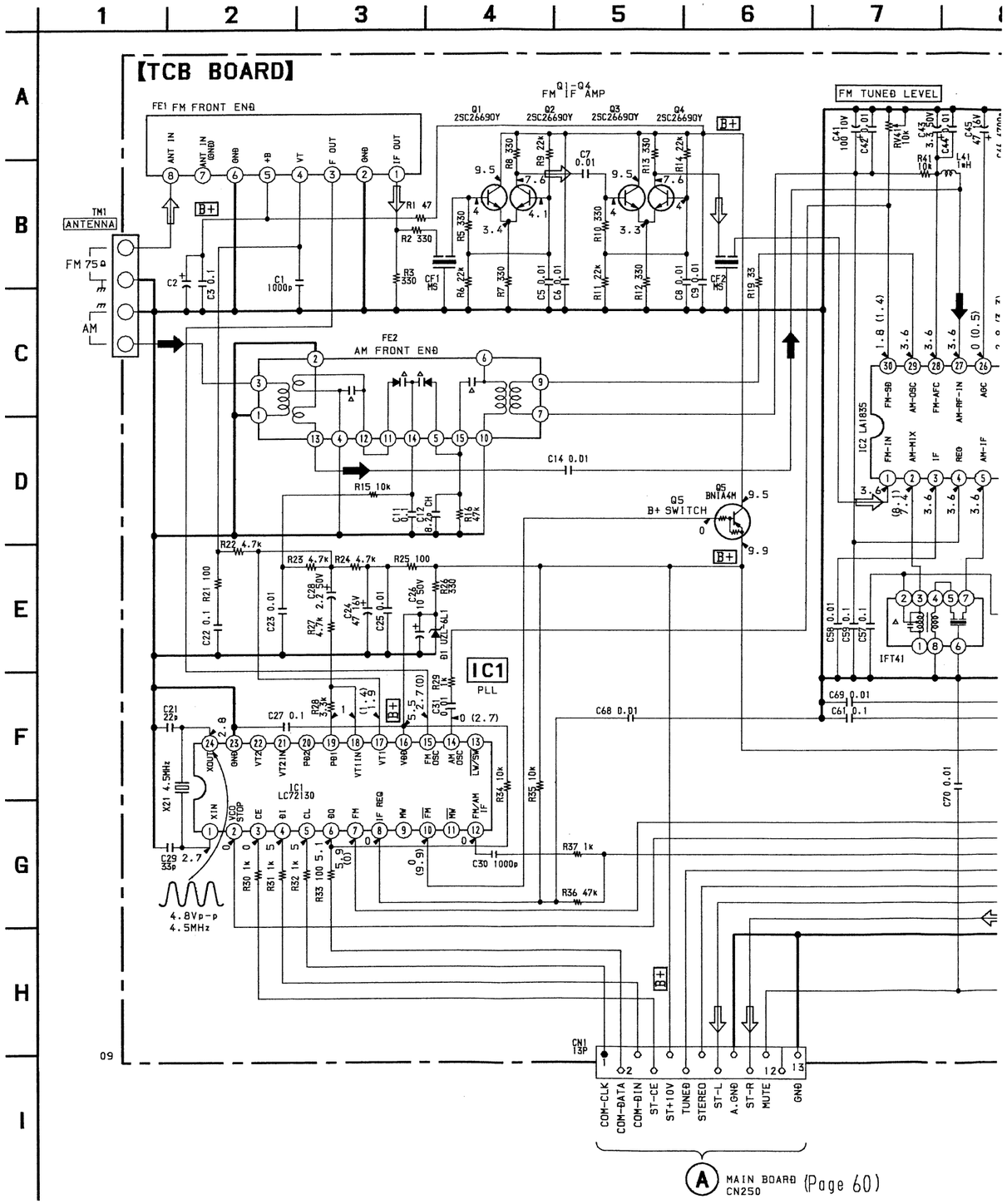
IC1 LC72130



IC2 LA1835

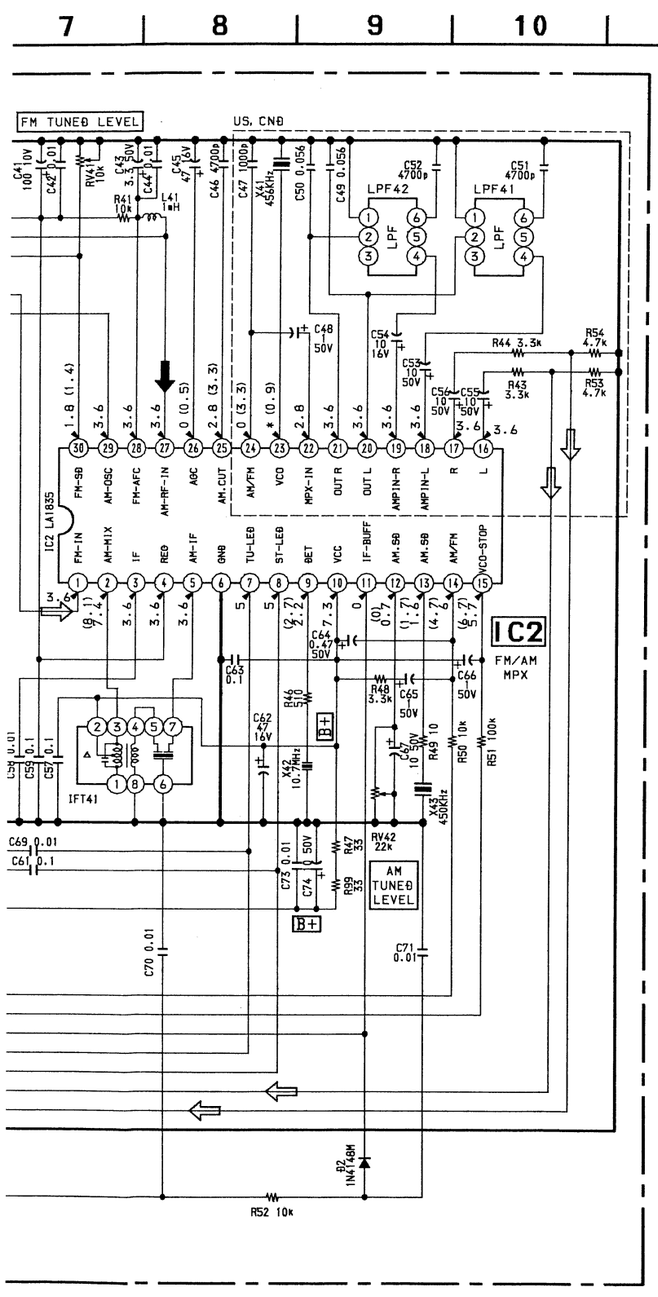


5-4. SCHEMATIC DIAGRAM — TUNER SECTION — (US, CND, E, AUS, MX, PX, AR MODEL)



5-5. PRINTED WIRING BOARD — TUNER SECTION — (US, CND, E, AUS, MX, PX, AR MODEL)

• See page 17 for Circuit Boards Location.

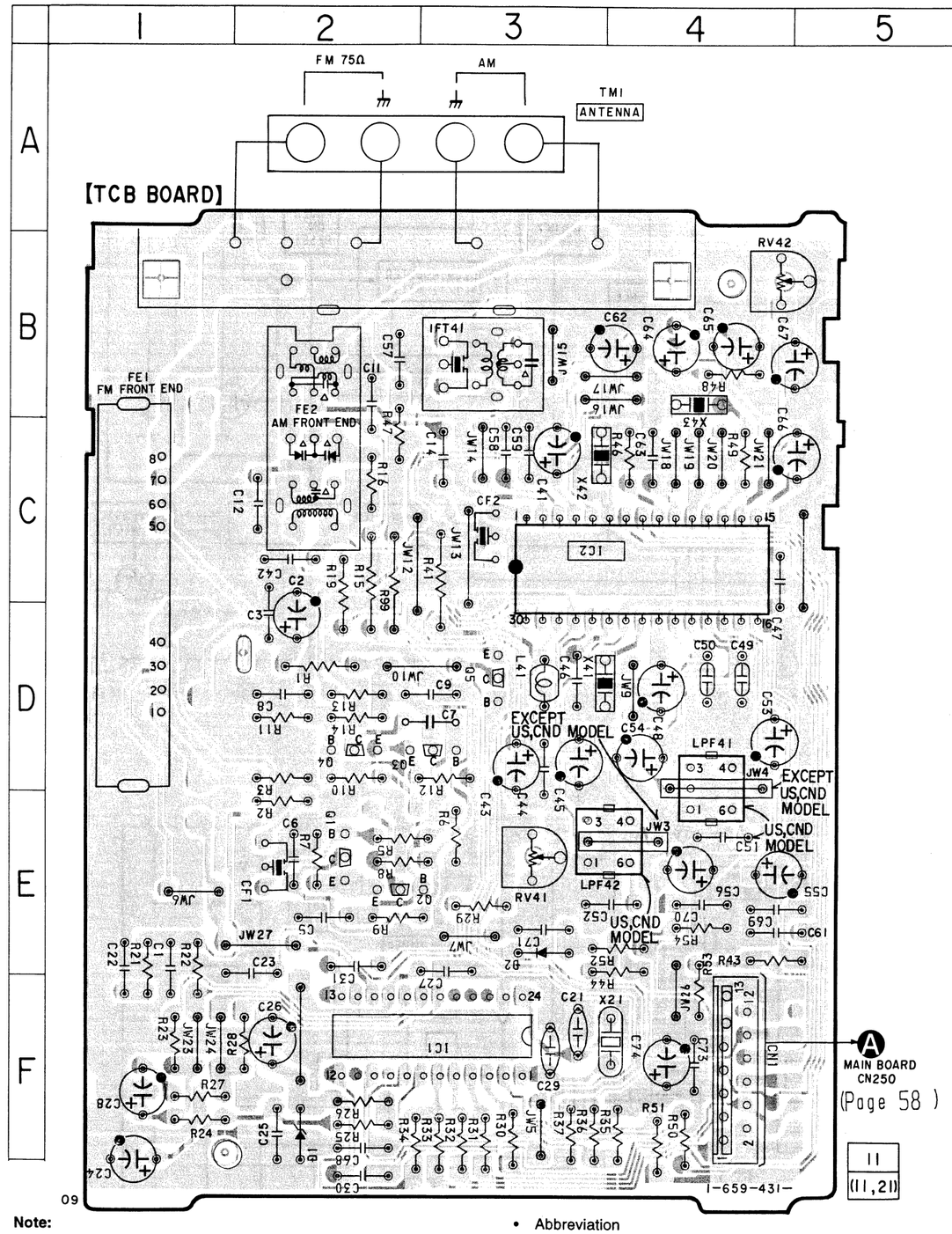


NOTE

- All capacitors are in μF unless otherwise noted. pF: μμF 50WV or less are not indicated except for electrolytics and tantalums.
- All resistors are in Ω and 1/4W or less unless otherwise specified.
- △ : internal component.
- ▭ : panel designation.
- B+ : B+ Line.
- ▭ : adjustment for repair.
- Voltages and waveforms are dc with respect to ground under no-signal (detuned) conditions.
  no mark: FM
  ( ): AM
  * : can not be measured.
- Voltages are taken with a VOM (Input impedance 10MΩ). Voltage variations may be noted due to normal production tolerances.
- Waveforms are taken with a oscilloscope. Voltage variations may be noted due to normal production tolerances.
- Abbreviation
  CND: Canadian model.
  MX : Mexican model.
  AUS: Australian model.
  AR : Argentine model.
- Signal path.
  ⇨ : FM
  ➡ : AM

• **Semiconductor Location**

Ref. No.	Location
D1	F-2
D2	E-3
IC1	F-3
IC2	C-3
Q1	E-2
Q2	E-3
Q3	D-2
Q4	D-2
Q5	D-3



Note:

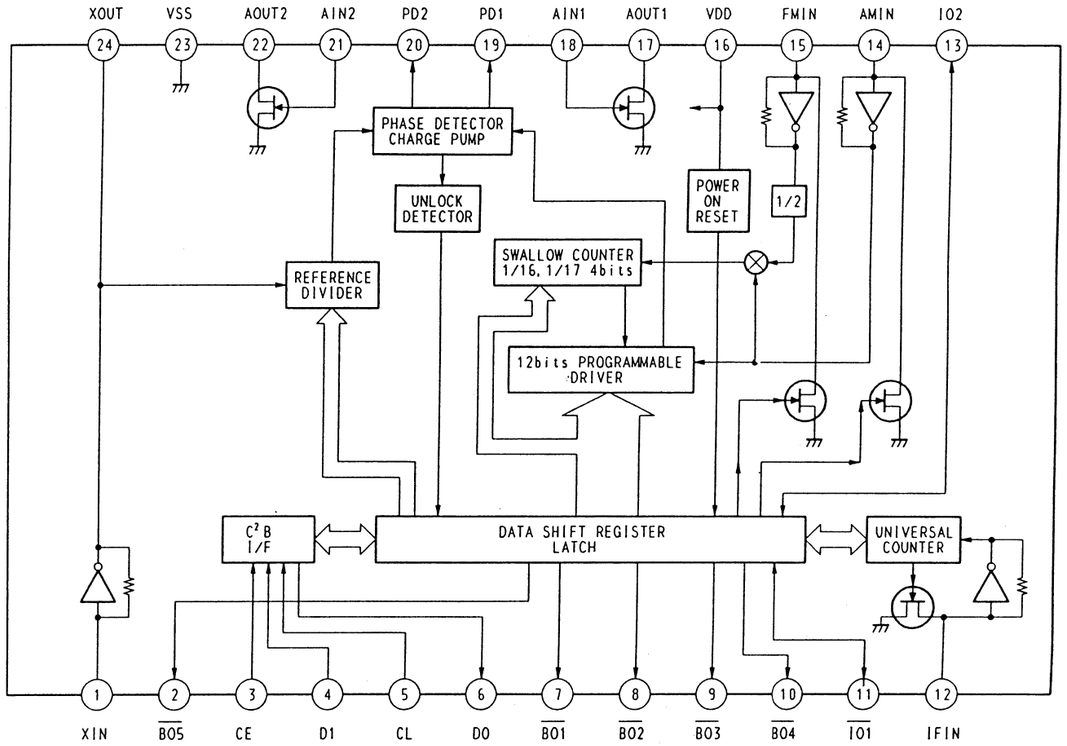
- ⟷ : parts extracted from the component side.
- △ : Internal component.
- ▓ : Pattern from the side which enable seeing.

- Abbreviation
  CND : Canadian model.
  MX : Mexican model.
  AUS : Australian model.
  AR : Argentine model.

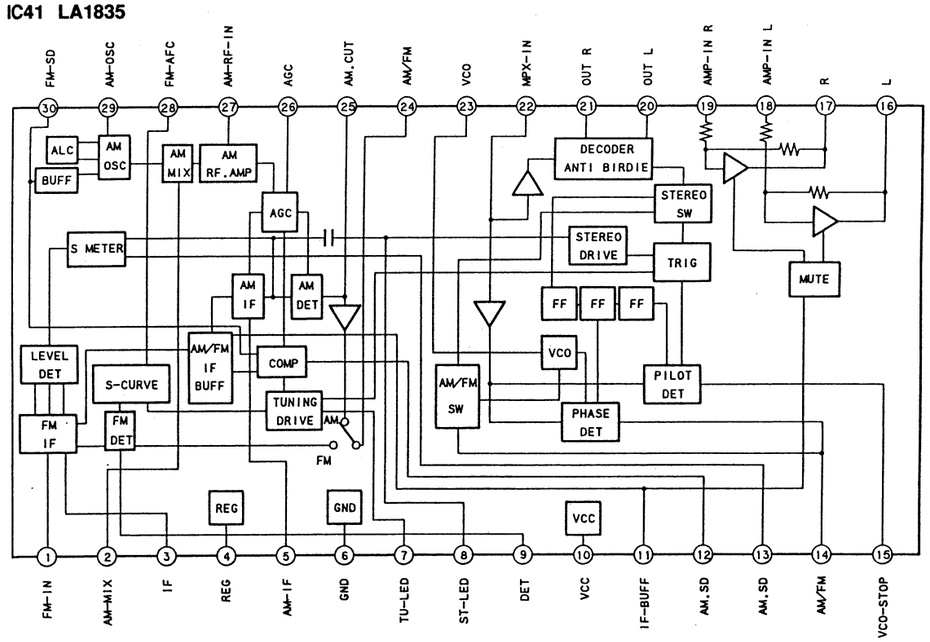
ge 60)

• IC Block Diagrams

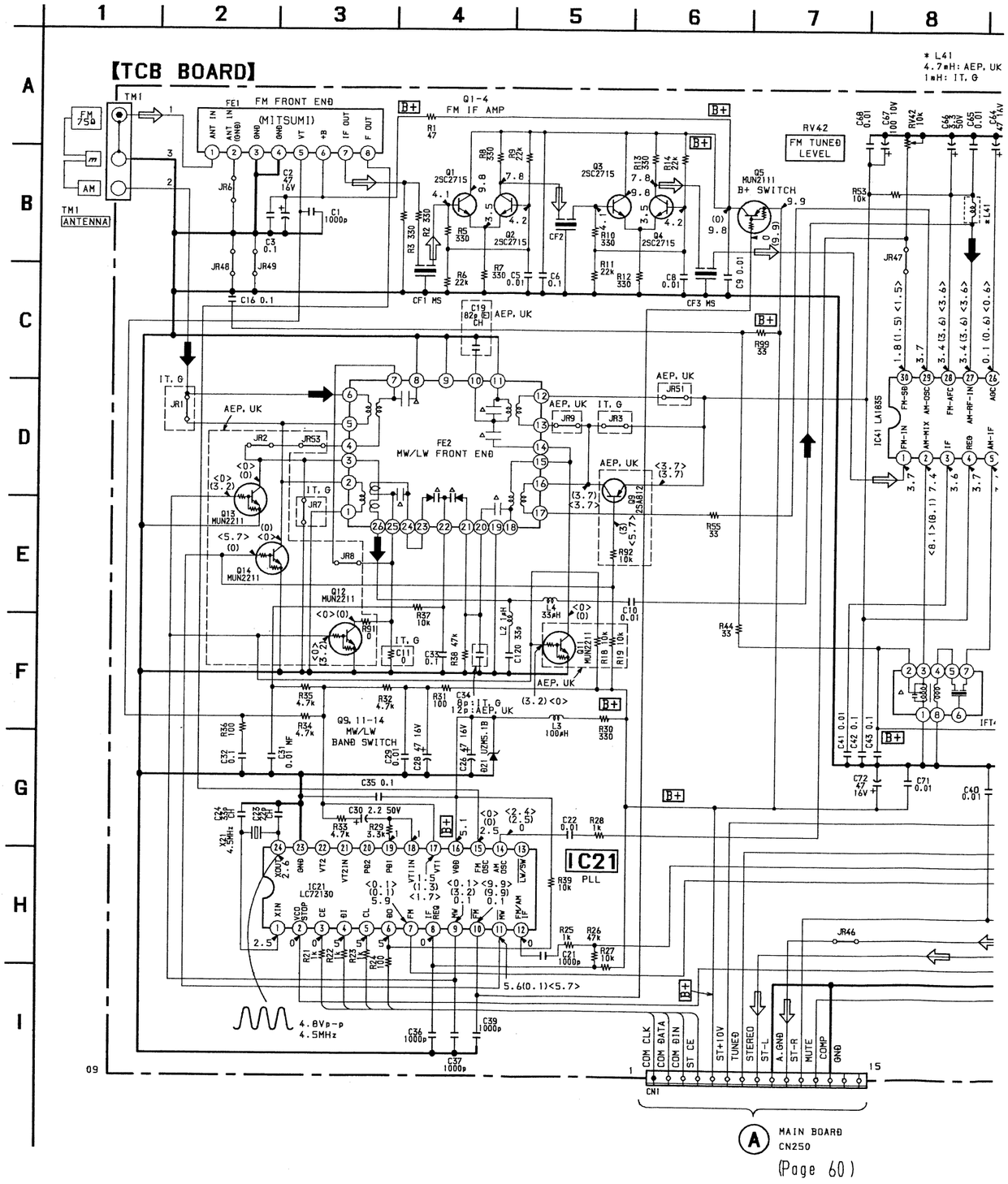
IC21 LC72130

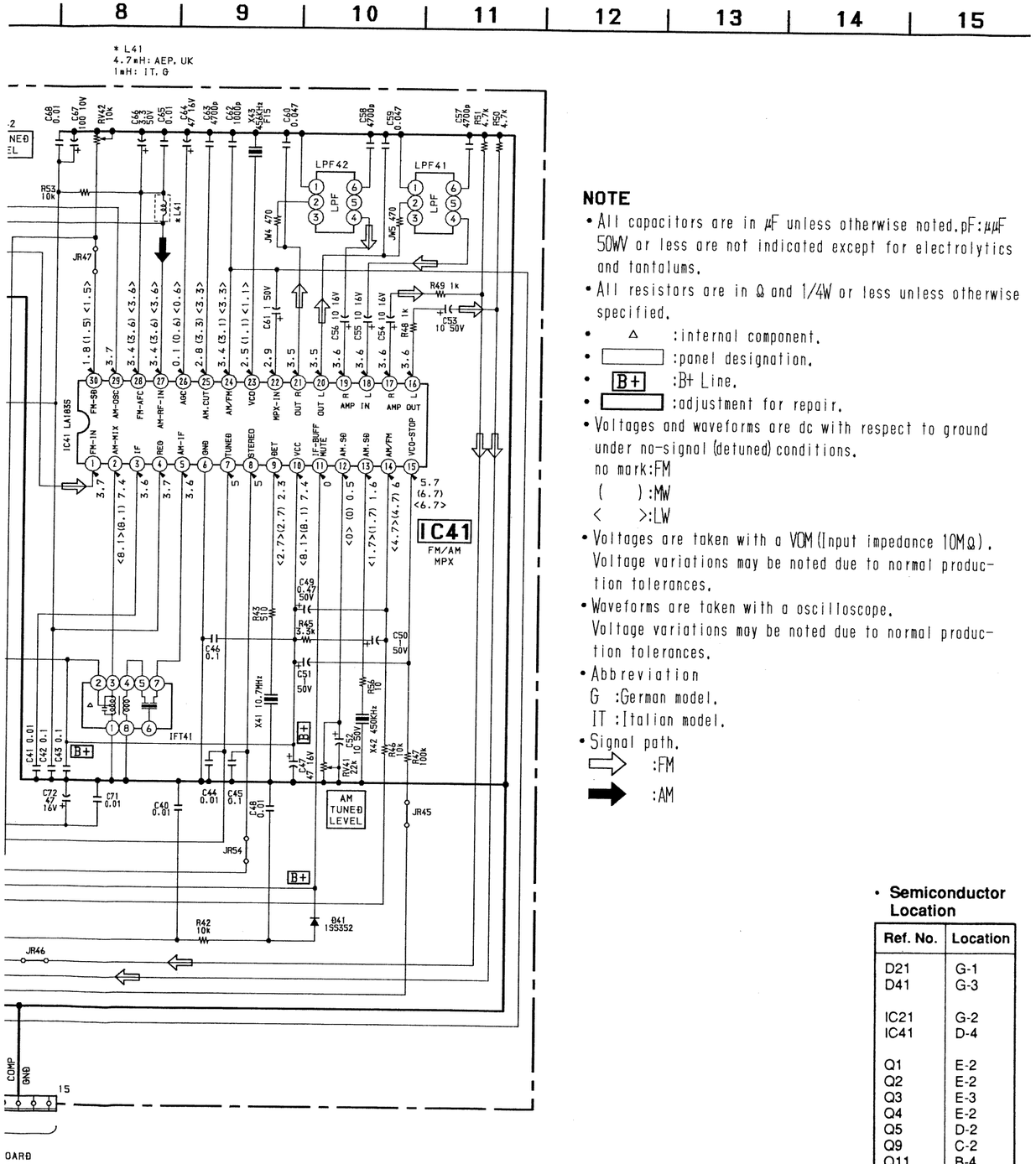


IC41 LA1835



5-6. SCHEMATIC DIAGRAM — TUNER SECTION — (AEP, UK, G, IT MODEL)





NOTE

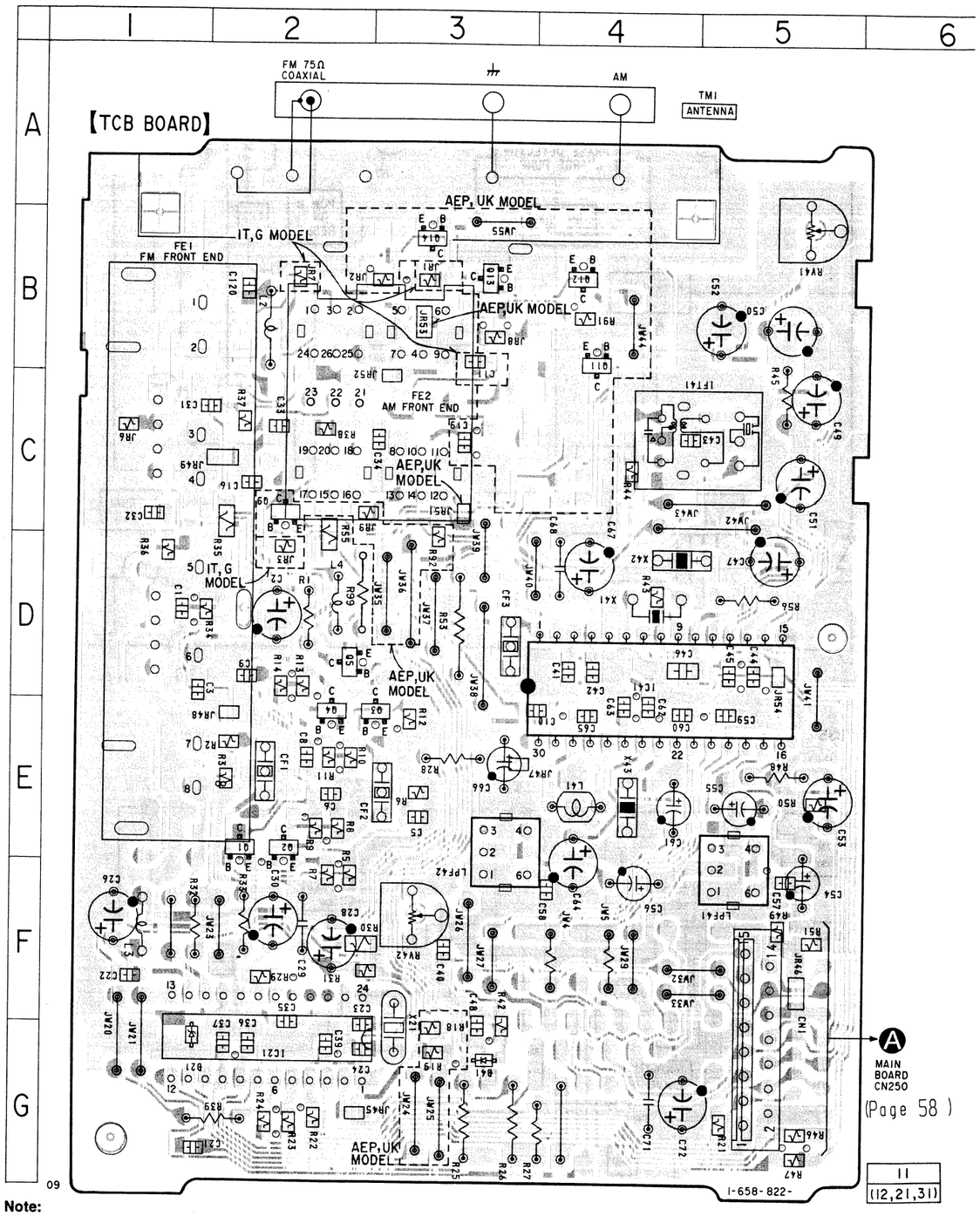
- All capacitors are in μF unless otherwise noted. pF: μμF
  50WV or less are not indicated except for electrolytics and tantalums.
- All resistors are in Ω and 1/4W or less unless otherwise specified.
- △ :internal component.
- ▭ :panel designation.
- B+ :B+ Line.
- ▭ :adjustment for repair.
- Voltages and waveforms are dc with respect to ground under no-signal (detuned) conditions.
  no mark: FM
  ( ) : MW
  < > : LW
- Voltages are taken with a VOM (Input impedance 10MΩ). Voltage variations may be noted due to normal production tolerances.
- Waveforms are taken with a oscilloscope.
  Voltage variations may be noted due to normal production tolerances.
- Abbreviation
  G :German model.
  IT :Italian model.
- Signal path.
  ⇨ :FM
  ➡ :AM

- **Semiconductor Location**

Ref. No.	Location
D21	G-1
D41	G-3
IC21	G-2
IC41	D-4
Q1	E-2
Q2	E-2
Q3	E-3
Q4	E-2
Q5	D-2
Q9	C-2
Q11	B-4
Q12	B-4
Q13	B-3
Q14	B-3

5-7. PRINTED WIRING BOARD — TUNER SECTION — (AEP, UK, G, IT MODEL)

• See page 17 for Circuit Boards Location.

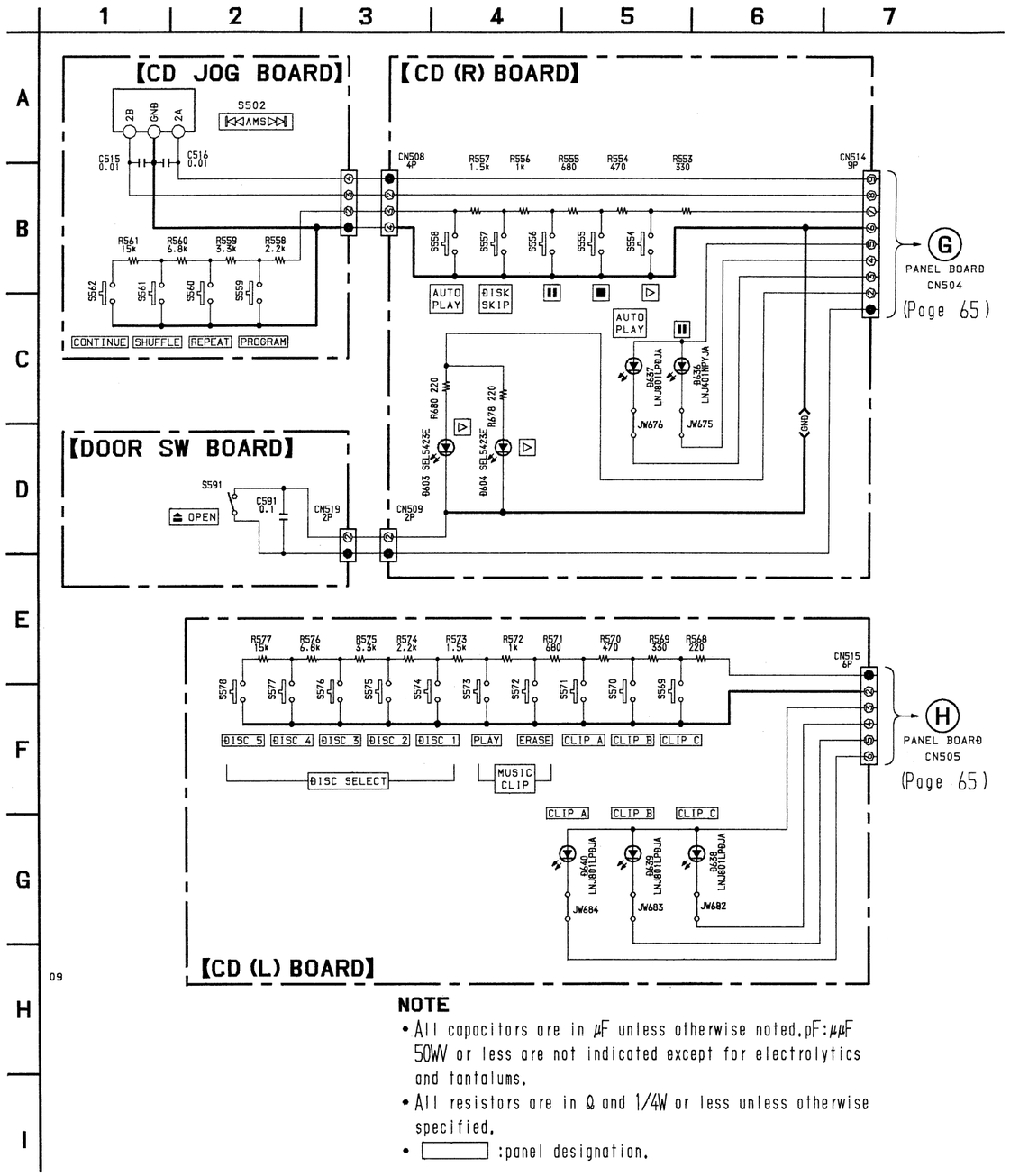


Note:

- ○—— : parts extracted from the component side.
- △ : Internal component.
- ▒ : Pattern from the side which enable seeing.

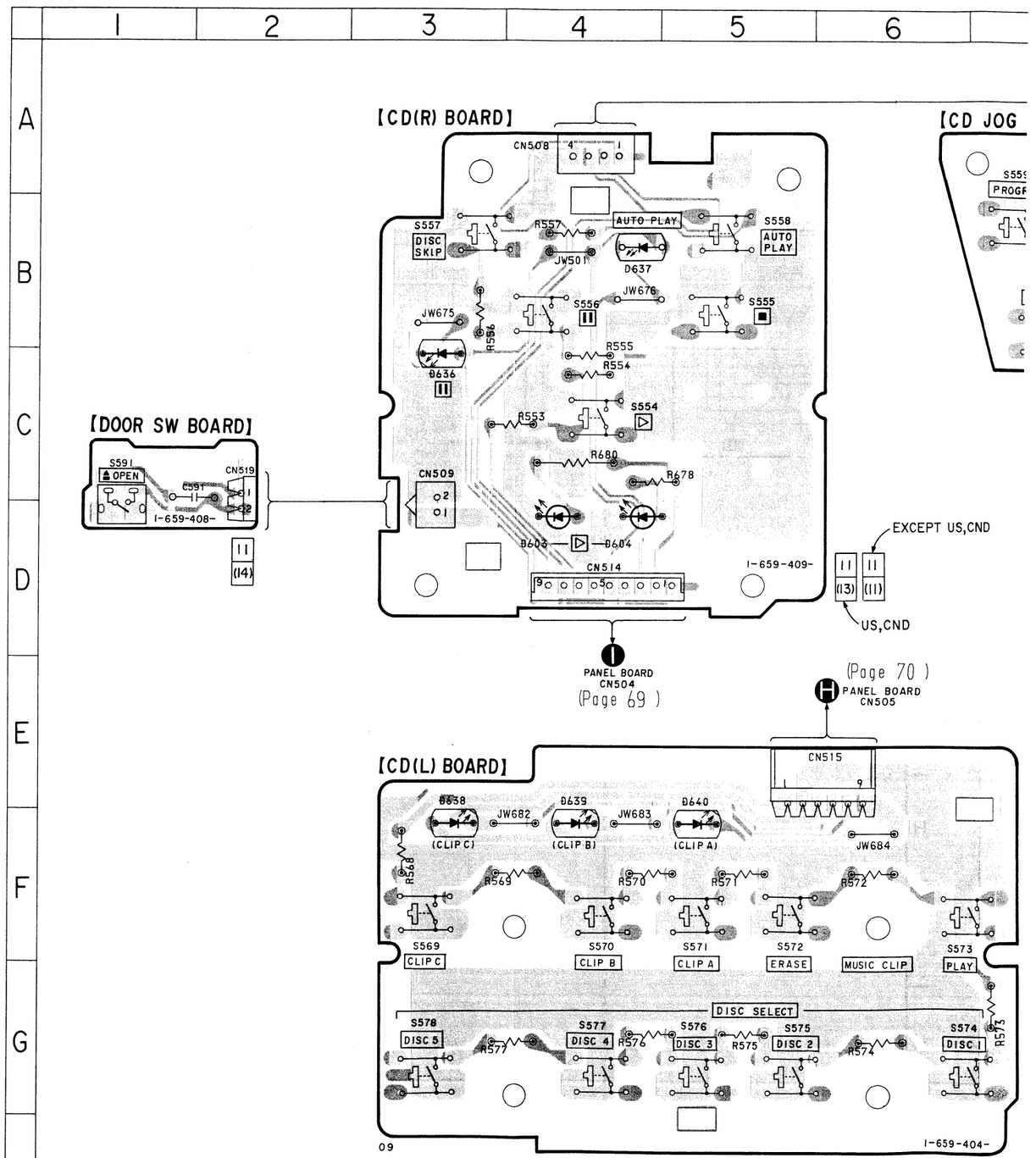
- Abbreviation
  G : German model.
  IT : Italian model.

5-8. SCHEMATIC DIAGRAM — CD PANEL SECTION —



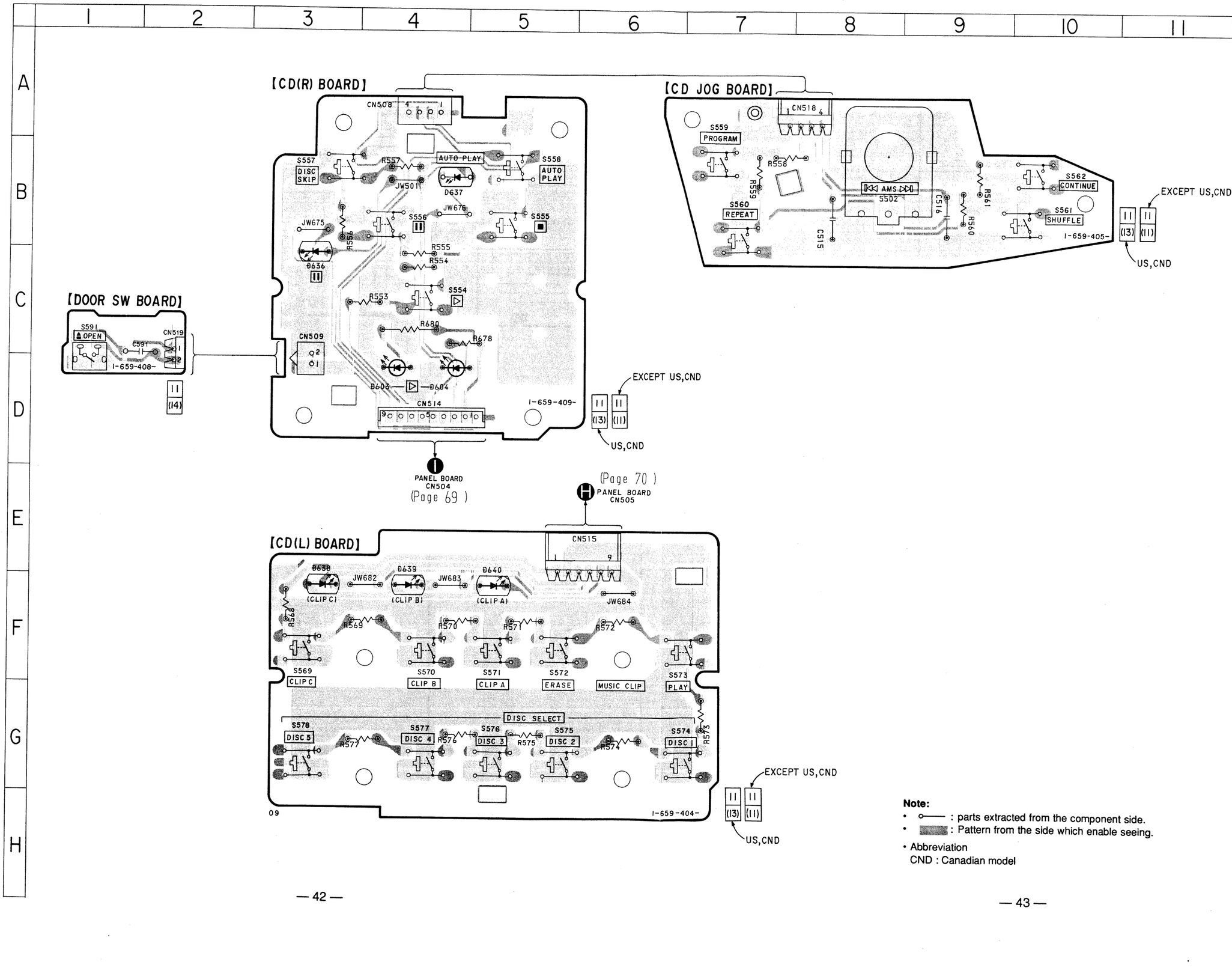
5-9. PRINTED WIRING BOARD — CD PANEL SECTION —

• See page 17 for Circuit Boards Location.



5-9. PRINTED WIRING BOARD — CD PANEL SECTION —

• See page 17 for Circuit Boards Location.



Note:

- ⟜ : parts extracted from the component side.
- ▒ : Pattern from the side which enable seeing.
- Abbreviation
  CND : Canadian model

• **Waveforms**

① IC101 ㉛ pin 1.3Vp-p

⑥ IC103 ㉕ pin 5.1Vp-p 232.7sec

② IC101 ㊹ pin 8mVp-p 0.2ms/DIV

⑦ IC103 ㉒ pin 5.1Vp-p 472.7nsec

③ IC101 ② pin 20mVp-p 2ms/DIV

⑧ IC103 ⑳ pin 5.1Vp-p 23µsec

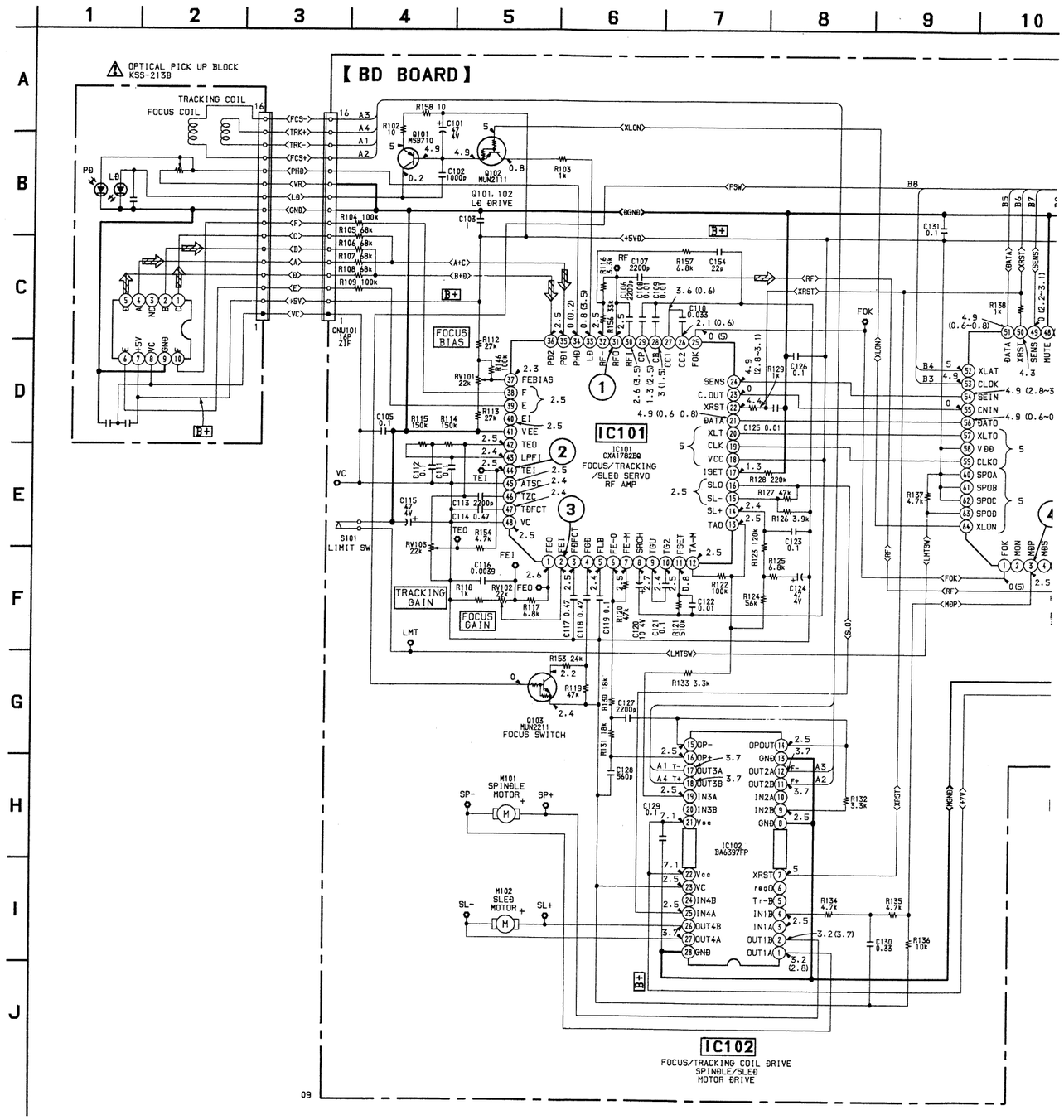
④ IC103 ③ pin 2.4Vp-p 7.5µsec

⑨ IC104 ⑤ pin 3Vp-p 16.9344MHz

⑤ IC103 ㉘ pin 5.1mVp-p 137µsec

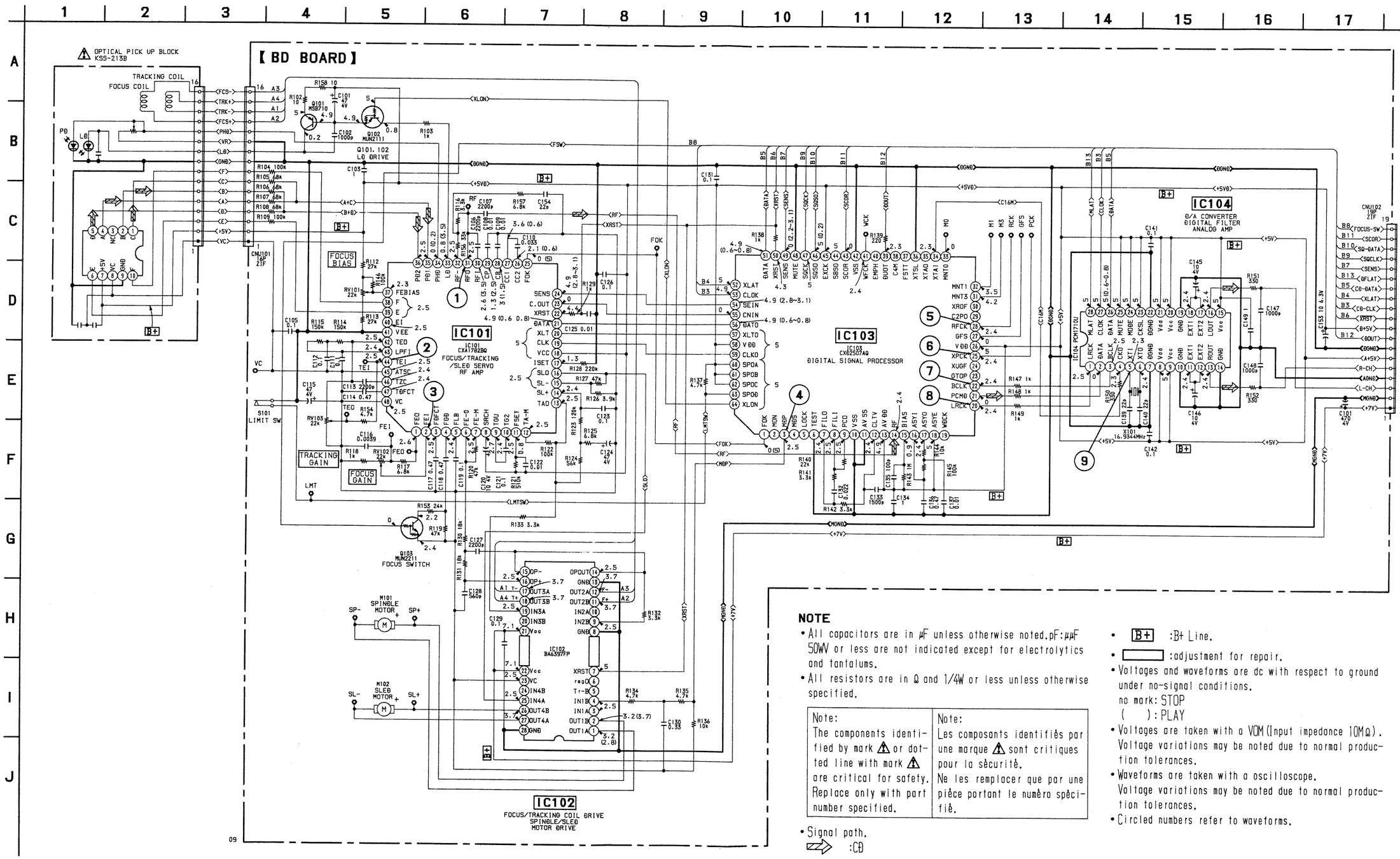
5-10. SCHEMATIC DIAGRAM — CD SECTION —

• See page 83, 84 for IC Block Diagrams. (IC101-104)



5-10. SCHEMATIC DIAGRAM — CD SECTION —

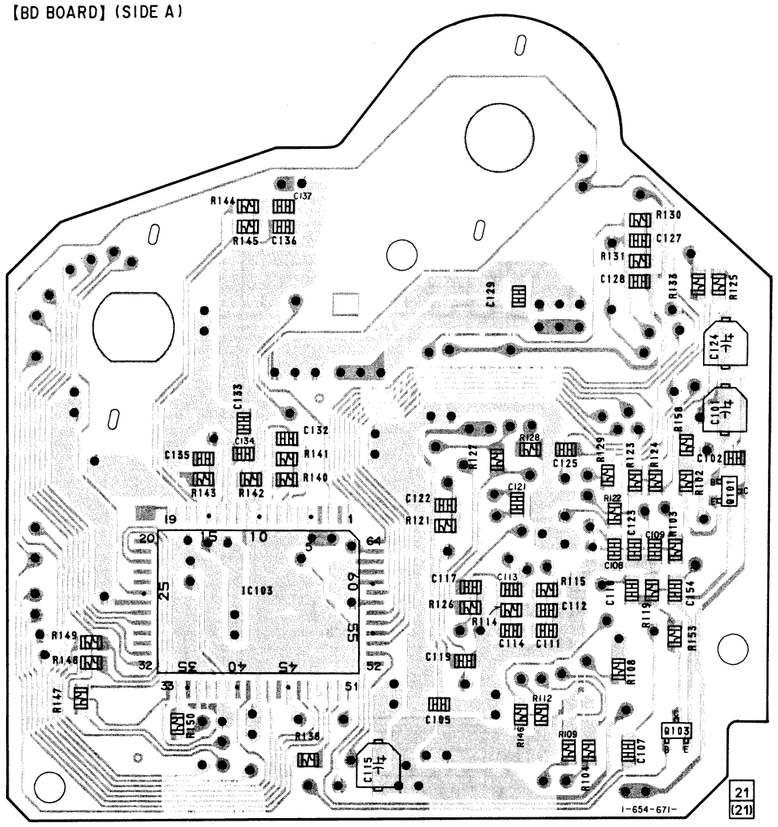
• See page 83, 84 for IC Block Diagrams. (IC101-104)


【 BD BOARD 】
OPTICAL PICK UP BLOCK KSS-213B
TRACKING COIL
FOCUS COIL
PD
LD
CNU101 16P 21F
IC101
CXA1782BQ
FOCUS/TRACKING /SLED SERVO RF AMP
IC102
BA6397FP
FOCUS/TRACKING COIL DRIVE SPINDLE/SLED MOTOR DRIVE
IC103
CXD2507AQ
DIGITAL SIGNAL PROCESSOR
IC104
D/A CONVERTER DIGITAL FILTER ANALOG AMP
IC104 PCM1710U
FOCUS BIAS
TRACKING GAIN
FOCUS GAIN
S101 LIMIT SW
Q103 MUN2211 FOCUS SWITCH
M101 SPINDLE MOTOR
M102 SLED MOTOR
X101 16.9344MHz
CNU102 19P 21F
MAIN BOARD CN201
(Page 63)
NOTE
• All capacitors are in μF unless otherwise noted. pF: μμF 50WV or less are not indicated except for electrolytics and tantalums.
• All resistors are in Ω and 1/4W or less unless otherwise specified.
Note: The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety. Replace only with part number specified.
Note: Les composants identifiés par une marque ⚠ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.
• B+ :B+ Line.
• ▭ :adjustment for repair.
• Voltages and waveforms are dc with respect to ground under no-signal conditions.
no mark: STOP
( ): PLAY
• Voltages are taken with a VOM (Input impedance 10MΩ). Voltage variations may be noted due to normal production tolerances.
• Waveforms are taken with a oscilloscope. Voltage variations may be noted due to normal production tolerances.
• Circled numbers refer to waveforms.
• Signal path.
⇨ :CD

5-11. PRINTED WIRING BOARD — CD SECTION —

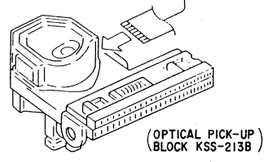
• See page 17 for Circuit Boards Location.

【BD BOARD】(SIDE A)



09

【BD BOARD】(SIDE B)



• Semiconductor Location

Ref. No.	Location
IC101	E-9
IC102	C-8
IC103	E-3
IC104	F-11
Q101	D-6
Q102	D-8
Q103	F-6

Note:

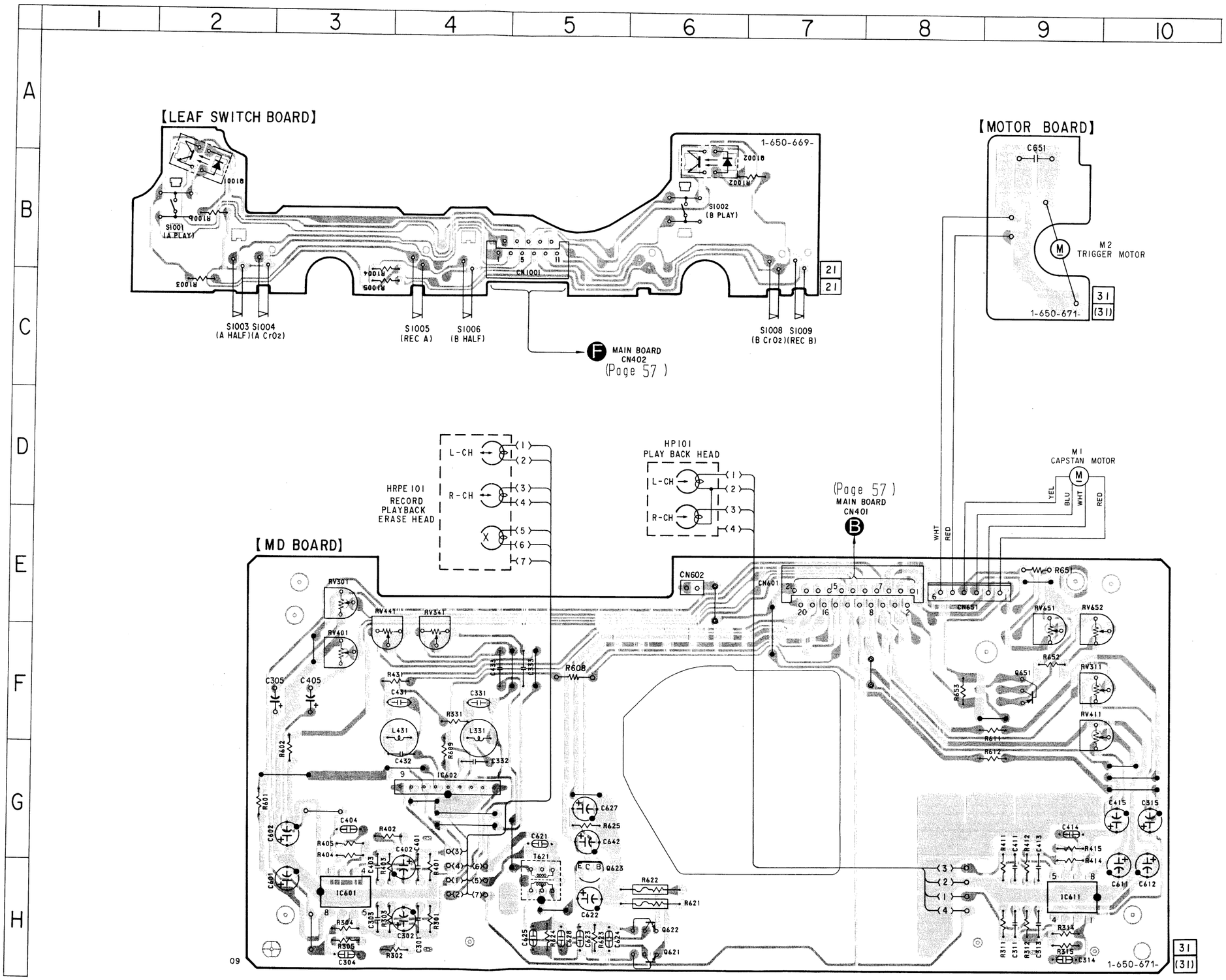
- ○—— : parts extracted from the component side.
- ● : Through hole.
- ▒▒ : Pattern from the side which enable seeing. (The other layer's patterns are not indicated.)

5-12. PRINTED WIRING BOARD — DECK SECTION —

• See page 17 for Circuit Boards Location.

• Semiconductor Location

Ref. No.	Location
IC601	H-3
IC602	G-4
IC611	H-9
Q621	H-6
Q622	H-6
Q623	H-5
Q651	F-9
Q1001	B-2
Q1002	B-6

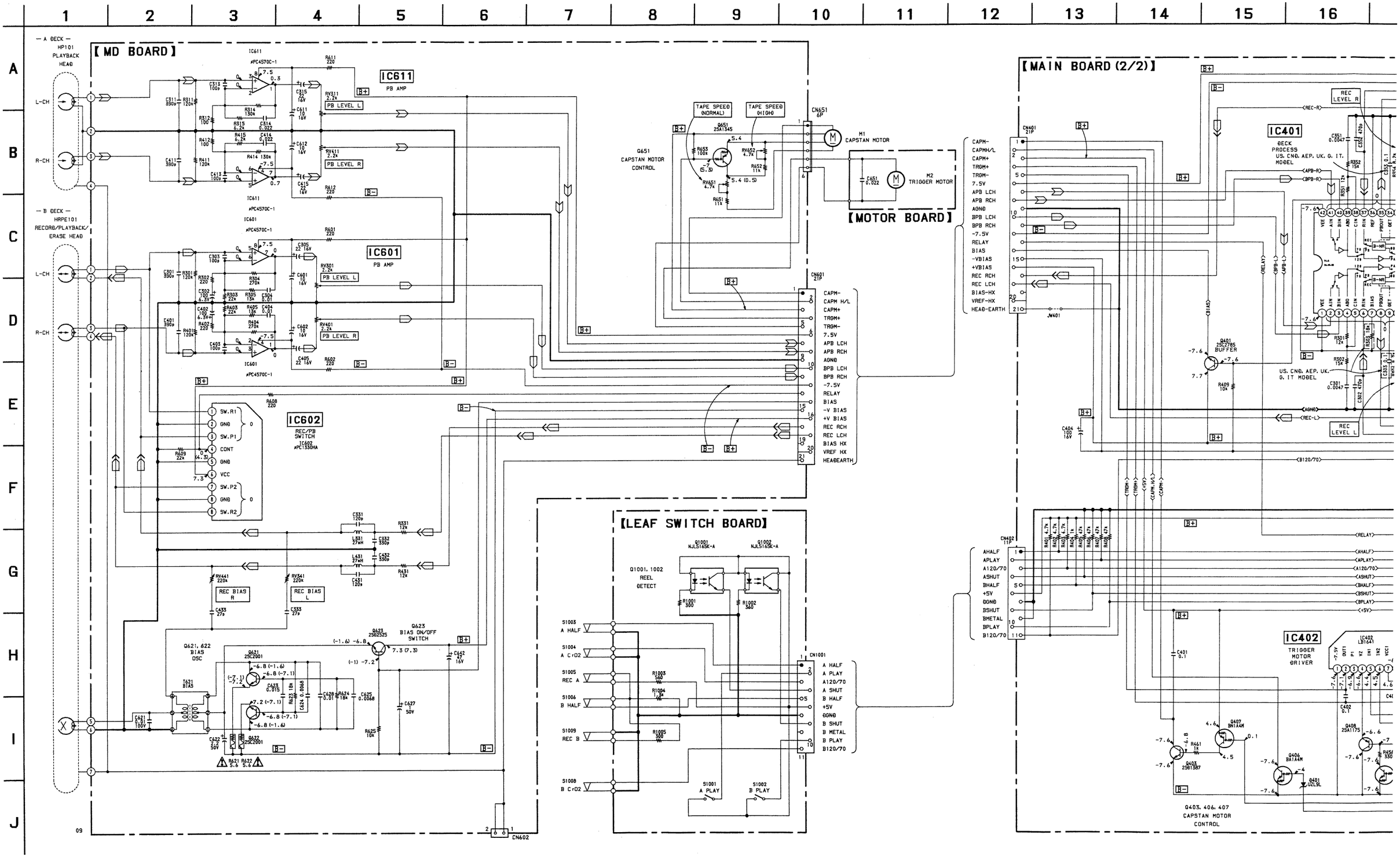


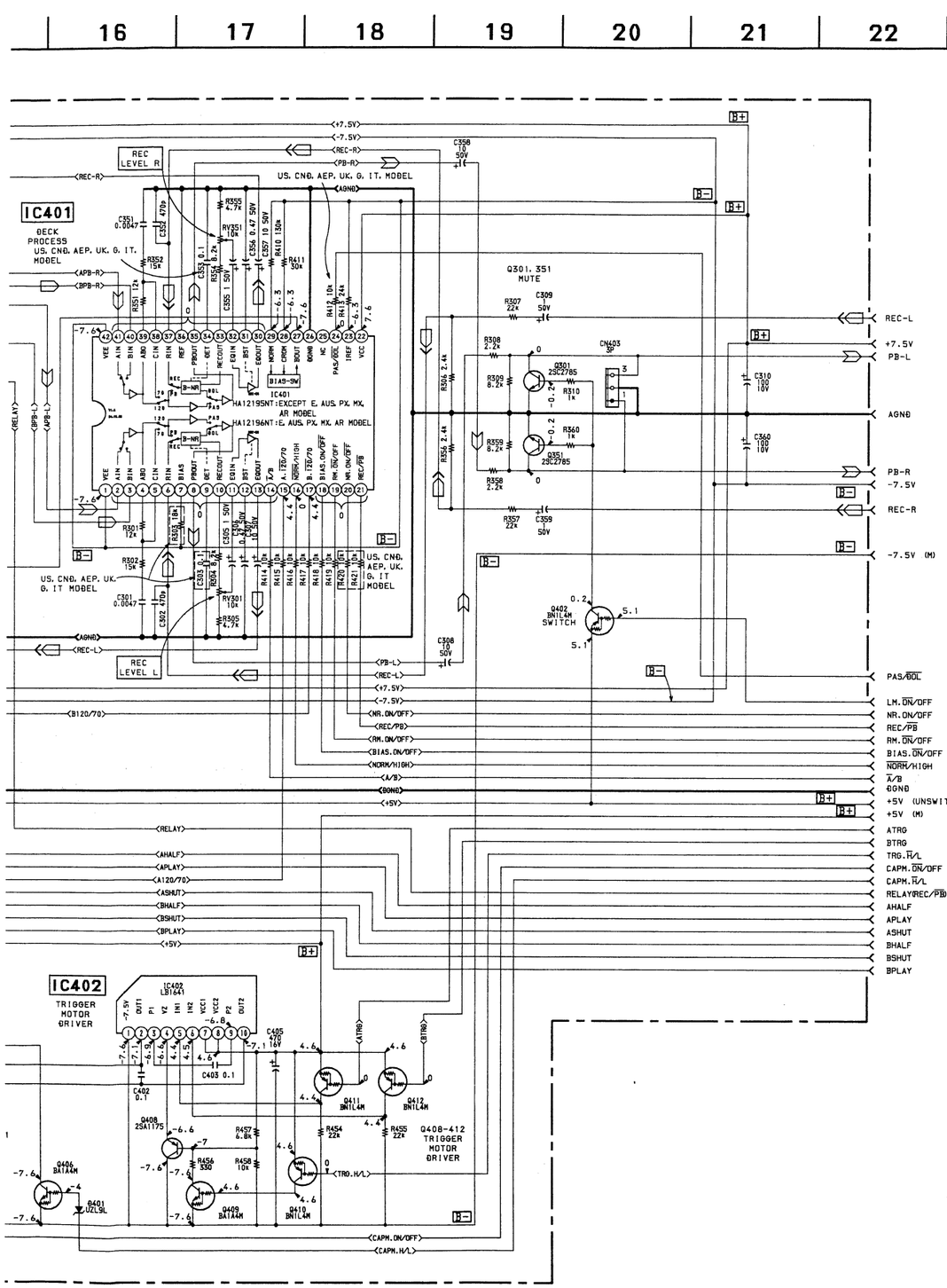
Note:

- ⟜ : parts extracted from the component side.
- ▒ : Pattern from the side which enable seeing.

5-13. SCHEMATIC DIAGRAM — DECK SECTION —

• See page 57, 58 for Printed Wiring Board. (MAIN BOARD)





NOTE

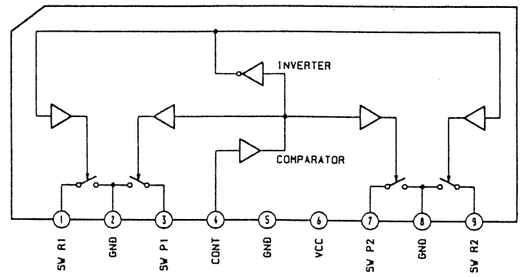
- All capacitors are in μF unless otherwise noted. pF: μμF 50WV or less are not indicated except for electrolytics and tantalums.
- All resistors are in Ω and 1/4W or less unless otherwise specified.
- ⚠ : fusible resistor.

Note:	Note:
The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety. Replace only with part number specified.	Les composants identifiés par une marque ⚠ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

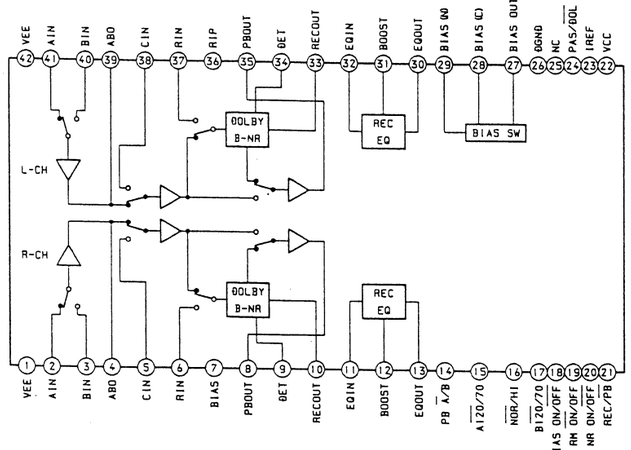
- B+ : B+ Line.
- B− : B− Line.
- : adjustment for repair.
- Voltages and waveforms are dc with respect to ground under no-signal conditions.
  no mark: PLAY
  ( ): REC
- Voltages are taken with a VOM (Input impedance 10MΩ). Voltage variations may be noted due to normal production tolerances.
- Abbreviation
  CND: Canadian model.
  G : German model.
  IT : Italian model.
  EE : East European model.
  MX : Mexican model.
  AUS: Australian model.
  AR : Argentine model.
- Signal path.
  : PB (DECK A)
  : PB (DECK B)
  : REC (DECK B)

• IC Block Diagrams

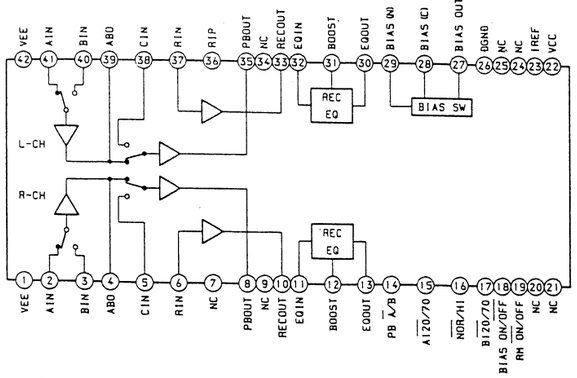
IC602 μPC1330HA



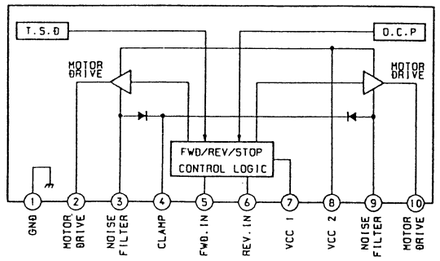
IC401 HA12195NT



IC401 HA12196NT

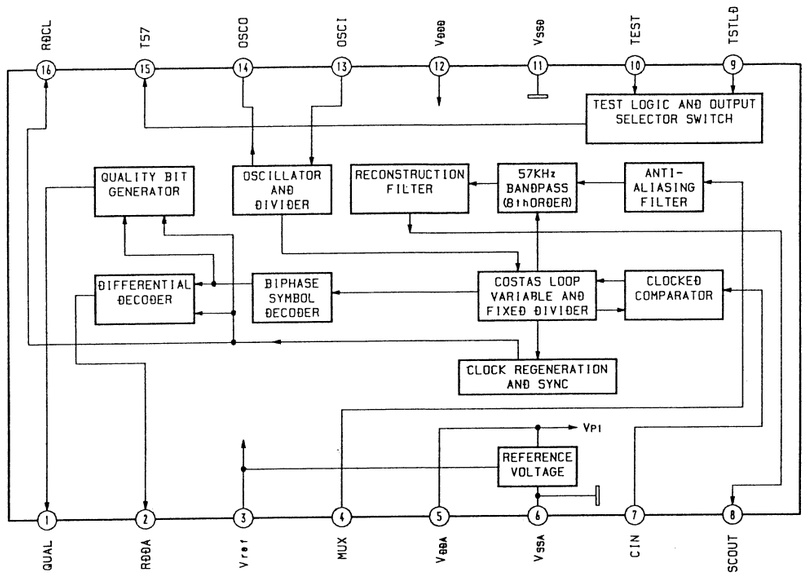


IC402 LB1641

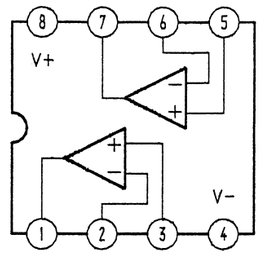


• IC Block Diagrams

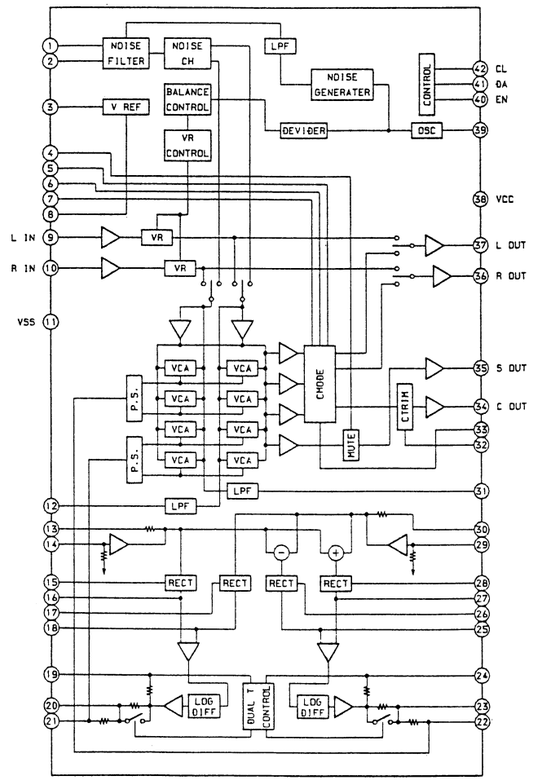
IC250 SAA6579



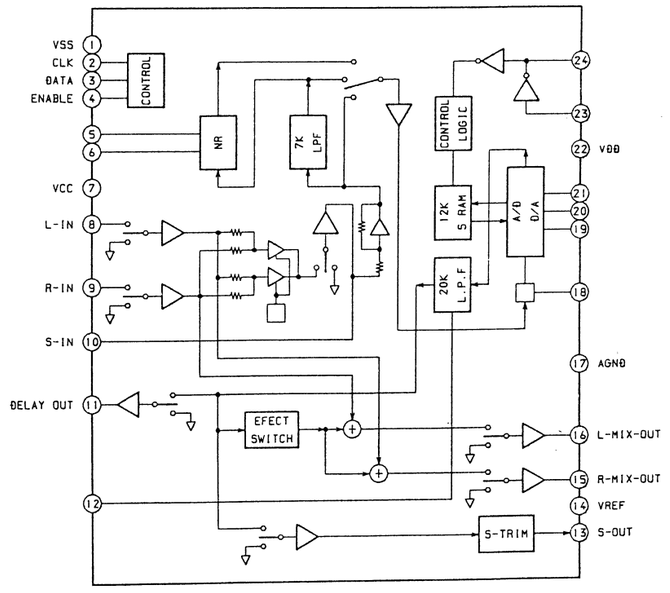
IC251 RC4558P



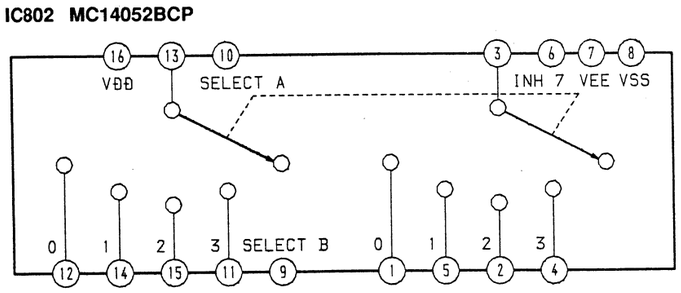
IC1101 LA2785



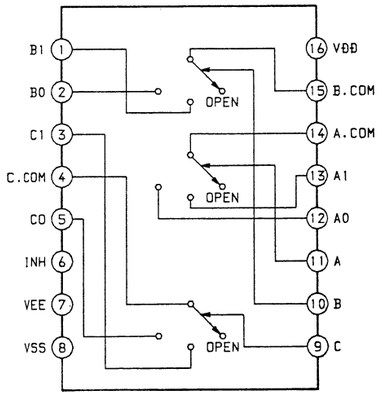
IC1102 LV1011



IC802 MC14052BCP



IC803 MC14053BCP



• Semiconductor Location

Ref. No.	Location	Ref. No.	Location
D201	E-7	IC901	I-11
D202	E-7	IC902	L-14
D251	C-12	IC1001	H-6
D401	C-5	IC1002	H-7
D701	E-4	IC1003	I-6
D702	D-4	IC1004	I-8
D703	D-3	IC1101	I-15
D704	D-3	IC1102	H-15
D705	D-3	IC1103	F-15
D706	E-4	IC1104	E-12
D707	E-4		
D708	D-9	Q301	B-9
D711	H-4	Q351	B-8
D901	J-10	Q401	B-4
D902	J-10	Q402	C-9
D1001	K-7	Q403	C-4
D1002	K-8	Q406	C-4
D1003	K-6	Q407	C-4
D1007	H-6	Q408	B-2
D1008	K-9	Q409	C-2
D1009	I-5	Q410	C-4
D1010	I-7	Q411	B-2
D1011	J-4	Q412	C-4
D1012	J-5	Q701	E-5
D1013	K-4	Q820	H-9
D1014	K-5	Q821	D-15
D1015	J-4	Q822	D-15
D1016	J-5	Q823	D-15
D1017	I-5	Q824	D-14
D1018	H-5	Q830	L-16
D1019	J-3	Q901	J-12
		Q902	J-12
IC250	B-12	Q951	H-11
IC251	B-13	Q952	H-10
IC401	B-6	Q953	K-11
IC402	A-3	Q954	L-12
IC701	D-6	Q1001	I-4
IC702	D-4	Q1002	I-4
IC801	B-15	Q1003	J-9
IC802	B-15	Q1006	J-5
IC803	D-12	Q1101	D-11
IC805	L-14	Q1102	D-11

Note:

- ○——○ : parts extracted from the component side.
- ■ : parts mounted on the conductor side.
- △ : Internal component.
- ▒▒ : Pattern from the side which enable seeing.
- Abbreviation
  CND : Canadian model.
  G : German model.
  IT : Italian model.
  MX : Mexican model.
  AUS : Australian model.
  AR : Argentine model

5-14. PRINTED WIRING BOARD — MAIN SECTION —

• See page 17 for Circuit Boards Location.

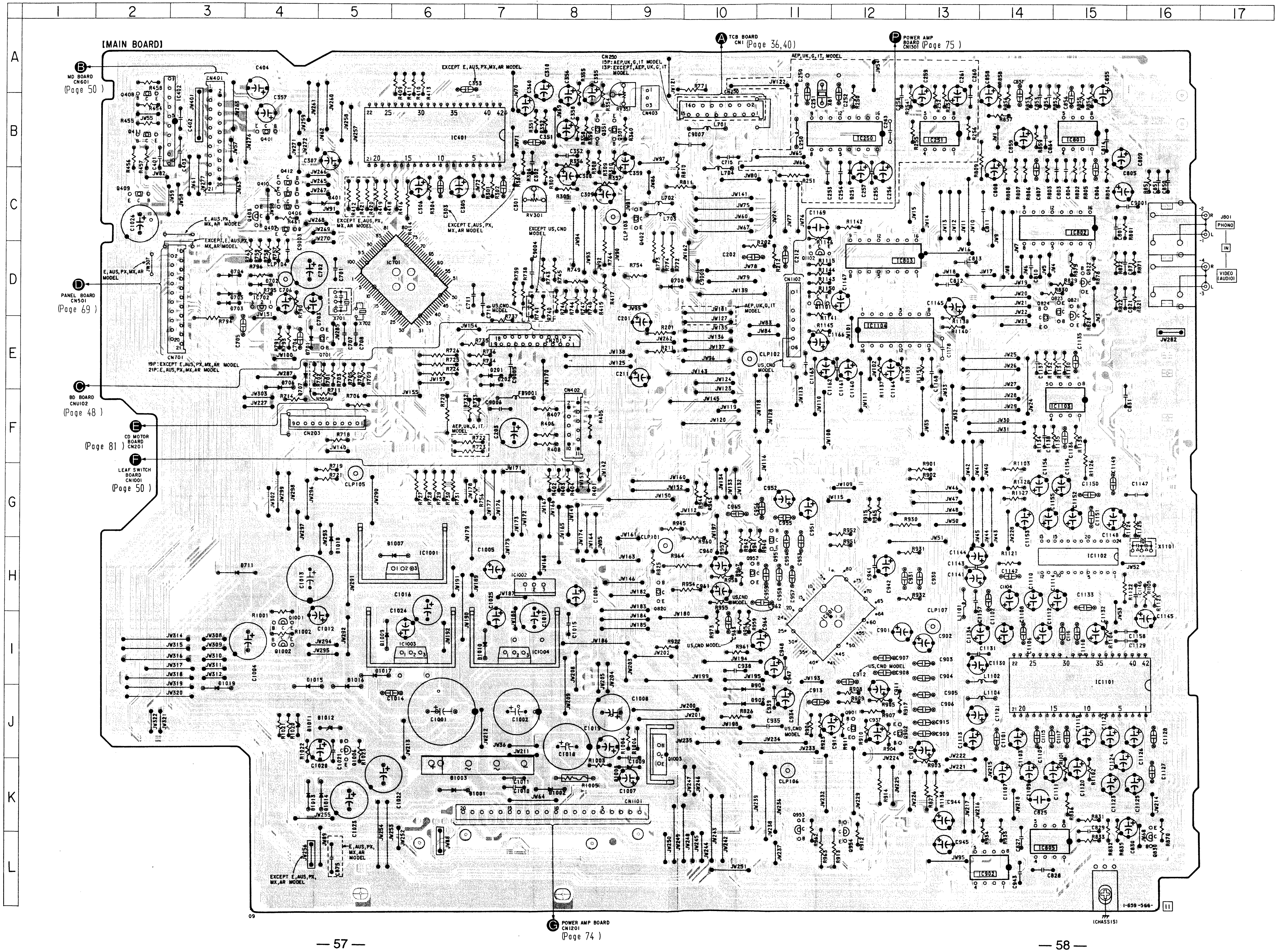
Location

I-11
L-14
H-6
H-7
I-6
I-8
I-15
H-15
F-15
E-12

B-9
B-8
B-4
C-9
C-4
C-4
C-4
B-2
C-2
C-4
B-2
C-4
E-5
H-9
D-15
D-15
D-15
D-14
L-16
J-12
J-12
H-11
H-10
K-11
L-12
I-4
I-4
J-9
J-5
D-11
D-11

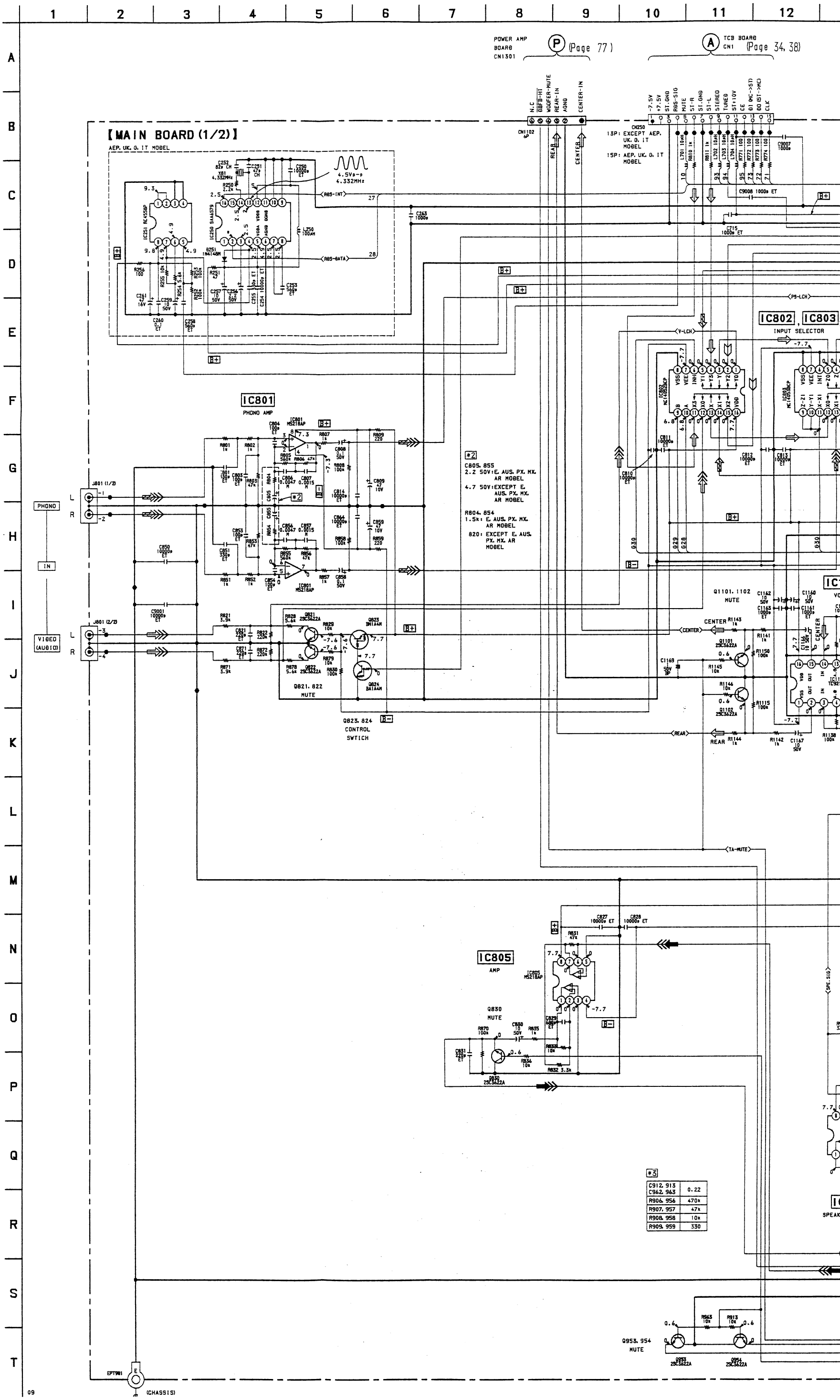
ıent side.
side.

ble seeing.


[MAIN BOARD]
B MD BOARD CN601 (Page 50)
D PANEL BOARD CN501 (Page 69)
C BD BOARD CNU102 (Page 48)
E CD MOTOR BOARD CN201 (Page 81)
F LEAF SWITCH BOARD CN1001 (Page 50)
A TCB BOARD CN1 (Page 36,40)
P POWER AMP BOARD CN1301 (Page 75)
G POWER AMP BOARD CN1201 (Page 74)
CN250 15P: AEP,UK,G,IT MODEL 13P: EXCEPT AEP,UK,G,IT MODEL
CN701 19P: EXCEPT E,AUS,PX,MX,AR MODEL 21P: E,AUS,PX,MX,AR MODEL
AEP,UK,G,IT, MODEL
EXCEPT E,AUS,PX,MX,AR MODEL
US,CND MODEL
J801 PHONO IN VIDEO (AUDIO)
(CHASSIS)
1-659-566-11

5-15. SCHEMATIC DIAGRAM — MAIN SECTION —

• See page 19 for IC Pin Function. (IC701)



(P) (Page 77)

(A) TCB BOARD CN1 (Page 34, 38)

(B) MAIN BOARD (2/2) (Page 53)

N.C
0BFB-HI
WOOFER-MUTE
REAR-IN
AGND
CENTER-IN

CN250
13P: EXCEPT AEP. UK. G. IT MODEL
15P: AEP. UK. G. IT MODEL

-7.5V
+7.5V
ST.GND
RDS-SIG
MUTE
ST-R
ST.GND
ST-L
STEREO
TUNED
ST+10V
CE
DI (MC->ST)
DO (ST->MC)
CLK

L701 10uH
L702 10uH
L703 10uH
L704 10uH
R810 1k
R811 1k
R771 100
R772 100
R773 100
R774 100
C9007 1000p
C9008 1000p ET
C715 1000p ET

FUNCTION μ-COM LOGIC

	V	CB	TC	ST	PS
	0	1	2	3	4
A	L	H	L	H	-
B	L	L	H	H	-
C	L	L	L	L	H

RELAY (REC/PB)
A SHUT
B SHUT
B HALF
A HALF
A PLAY
B PLAY
A/B
NORM/HIGH
BIAS ON/OFF
RM ON/OFF
NR ON/OFF
REC/PB
PAS/BOL
LM ON/OFF
CAPM F/L
AIRG
BIRG
TRG H/L
CAPM ON/OFF

PB-L
PB-R
REC-R
REC-L
-7.5V
AGND
+7.5V
-7.5V (M)
+5V (M)
DGND
+5V (UNSWITCHED)

C1026 1000 16V

TCPB-LCH
TCPB-RCH
CB-LCH
CB-RCH
PS-LCH
COM-LCH
COM-RCH
Y-LCH

IC802, IC803
INPUT SELECTOR
IC802 MC14052BCP
IC803 MC14053BCP

R1101 220k
R1102 220k
C1115 C1117
C1116 C1118
C1121 220 10V
C1122 10 50V
C1123 10 50V
C1124 10 50V
C1125 10 50V
C1126 220 10V
C1127 0.047 MF
C1128 0.022 MF
C1157 10000p ET
L1104 10uH

IC1101
PRO LOGIC
IC1101 LA2705
C1101 0.15 MF
C1102 0.15 MF
C1103 3.3 50V
C1104 3.3 50V
C1105 0.15 MF
C1106 0.15 MF
C1107 4.7 50V
C1108 4.7 50V
C1109 0.47 50V
C1110 0.47 50V
C1111 4.7 50V
C1112 4.7 50V
C1113 0.47 50V
C1114 0.47 50V
C1119 10 50V
C1120 10 50V
C1129 680 1
C1130 100 10V
C1131 10000p ET
C1132 10 50V
C1133 0.47 MF
C1134 47 25V
R1104 18k
R1105 1k
C1158 220p CH
L1102 10uH

CENTER
REAR
LATCH
DATA
CLK

IC1103
AMP

IC1104
VOLUME
IC1104 TC9210P

Q1101. 1102
MUTE
Q1101 2SC3622A
Q1102 2SC3622A
R1150 100k
R1145 10k
R1146 10k
R1115 100k
C1162 10 50V
C1163 1000p ET
C1160 10 50V
C1161 1000p ET
C1164 10 50V
C1166 10 50V
C1169 50V
C1178 1000p ET
C1165 10 50V
C1167 10 50V
R1143 1k
R1141 1k
R1139 1k
R1137 100k
R1138 100k
R1144 1k
R1142 1k
R1140 1k
R1151 1k
R1136 47k

IC1102
DELAY
IC1103 M5218
IC1102 LV1017
X1101 8MHz
C1135 470p M
C1136 470 M
C1137 10000p ET
C1138 10000p ET
C1139 10000p ET
C1140 100 10V
C1141 10 50V
C1142 0.033 MF
C1143 10000p ET
C1144 100 10V
C1145 10 50V
C1147 10000p ET
C1148 220 10V
C1149 0.033 MF
C1150 0.0015 M
C1151 0.033 MF
C1152 1 50V
C1153 220 10V
C1154 10 50V
C1155 10 50V
C1156 10 50V
R1103 1k
R1132 100k
R1131 4.7k
R1130 4.7k
R1133 4.7k
R1134 4.7k
R1135 100k
R1122 39k
R1123 1k
R1124 1M
R1125 330
R1126 1k
R1127 1k
R1128 1k
L1101 10uH

4.9Vp-p 8MHz
2.8Vp-p 10MHz
4Vp-p 32.768MHz
Q701 RESET SWITCH
C705 10 50V
C702 100p 10V
C701 100p ET
C9003 1000p ET
R790 10k

IC901
EQ
IC901 M62427FP
SBAND GEQ
SW1 SW2 SW3 SW4 SW5 SW6 SW7 SW8 SW9 SW10 SW11 SW12 SW13 SW14 SW15 SW16
R951 4.7k
R952 4.7k
R953 47k
R954 47k
R955 100k
R956 100k
R957 10k
R958 10k
R959 10k
R960 10k
R961 2.2k
R962 100k
R963 10k
R964 47k
R965 100k
R973 1M
R915 100k
R930 22k
R931 22k
R932 10k
R933 330k
R934 100k
R935 1k
R936 10k
R941 10k
R942 10k
R943 1k
R944 1k
R945 1k
R946 1k
R947 15k
R917 15k
R901 4.7k
R902 4.7k
R903 47k
R904 47k
R905 100k
R906 100k
R907 10k
R908 10k
R909 10k
R910 10k
R911 2.2k
R912 100k
R913 10k
R914 47k
R922 1M
R923 1M
C941 10000p ET
C942 100 10V
C950 0.15 MF
C931 0.001 M
C901 0.22 50V
C902 0.22 50V
C903 0.068 MF
C904 0.068 MF
C905 0.018 MF
C906 0.018 MF
C907 0.0056 M
C908 0.0047 M
C909 0.0018
C915 0.012
C910 10 50V
C944 10 50V
C945 10 50V
C946 10 50V
C947 1000p
C948 10 50V
C949 10 50V
C961 10 50V
C962 0.22
C963 0.22
C964 10 50V
C965 0.012 MF
C966 0.0018
C912 0.22
C913 0.22
C916 10 50V
C917 10 50V
C927 10000p ET
C928 10000p ET
C929 680p ET
C943 10000p ET
C937 10 50V
C938 220p
C939 10000p ET
C935 0.1 ET
C825 1 50V BP
D901 1N4148M
D902 1N4148M
Q951 0BFB SWITCH
Q952 0BFB SWITCH
Q901 0BFB SWITCH
Q902 0BFB SWITCH
Q953, 954 MUTE
Q953 2SC3622A
Q954 2SC3622A
Q820 DTA144M
Q820 MUTE SWITCH
R825 2.2k
R826 100k
R827 2.2k

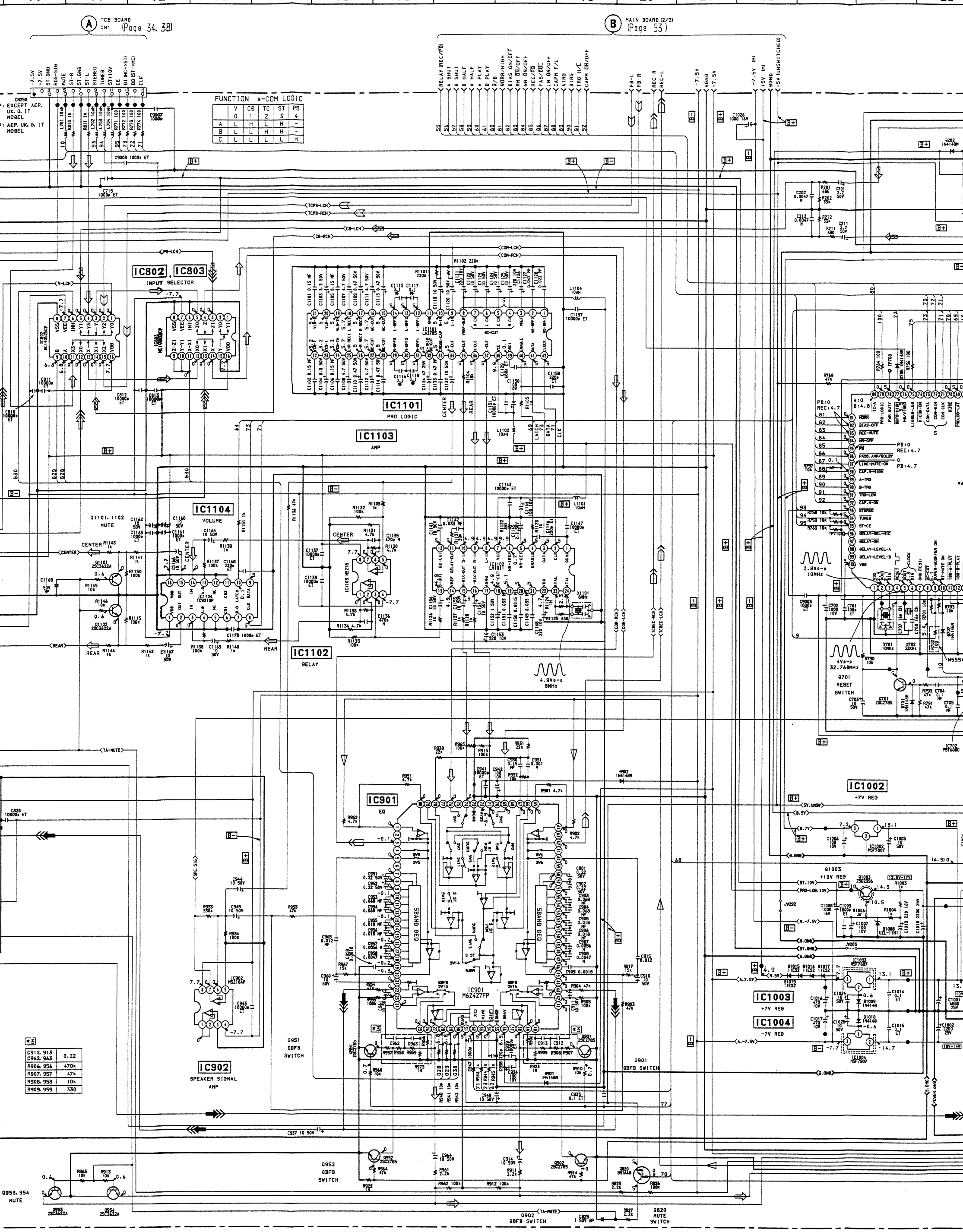
*3

C912, 913	0.22
C962, 963	0.22
R906, 956	470k
R907, 957	47k
R908, 958	10k
R909, 959	330

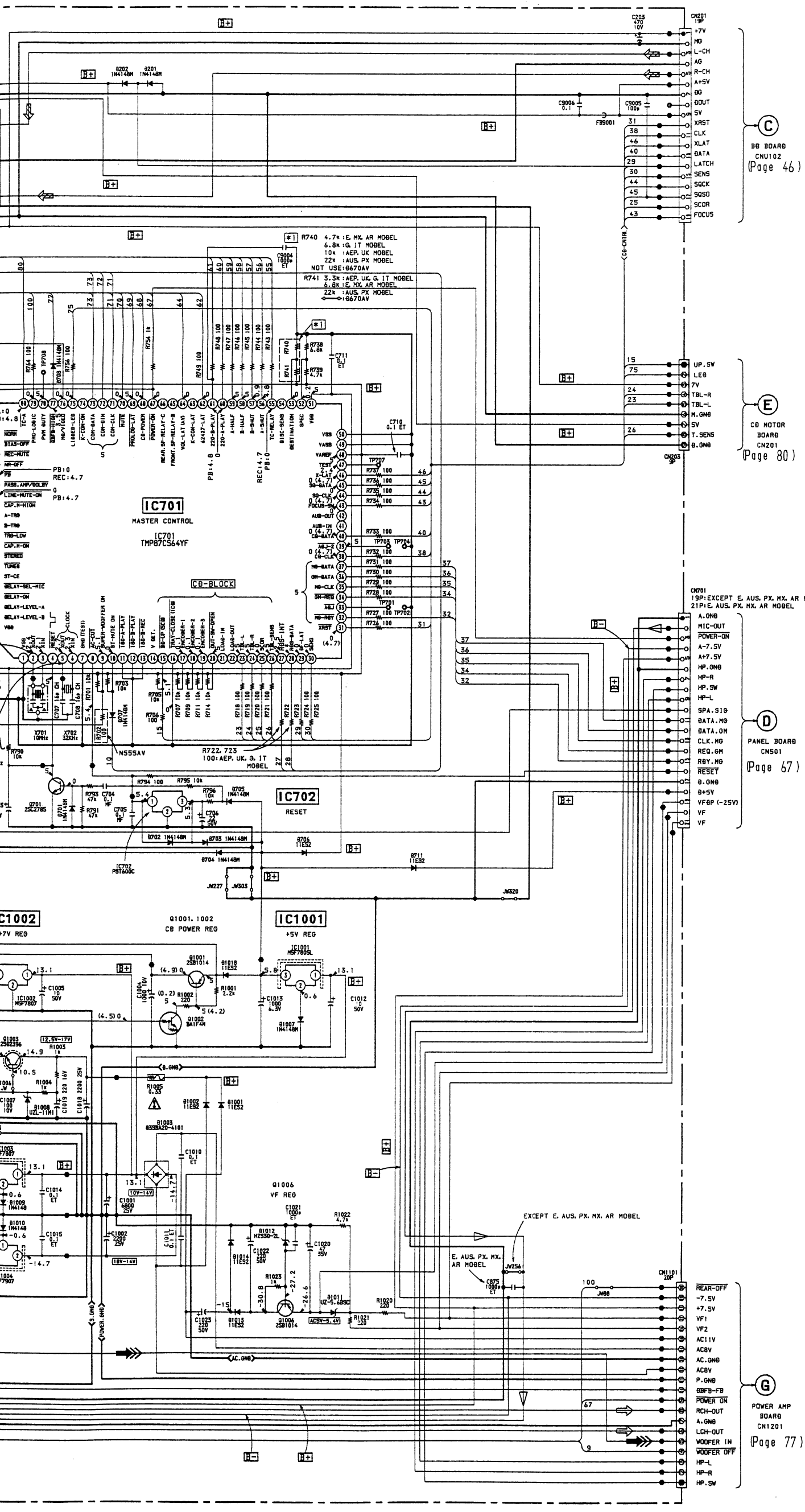
IC902
SPEAKER SIGNAL AMP
IC902 MS218AP
IC905 MS218AP

IC1002
+7V REG
IC1002 MSF7807
IC1003 MSF7807
IC1004 MSF7907
IC1003 +7V REG
IC1004 -7V REG
Q1003 +10V REG
Q1003 2SA2356
R1004 1k
R1005 1k
C1006 100 10V
C1007 100 10V
C1008 1000 16V
C1009 1000p ET
C1010 1000 16V
C1015 470 10V
C1016 470 10V
C1017 470 10V
C1024 10 50V
C1025 10 50V
D1009 1N4148
D1010 1N4148
D1015 1SS2
D1016 1SS2
D1017 1SS2
JW203
JW292

PB:0 REC:4.7
A:0 B:4.8
NORM
BIAS-OFF
REC-MUTE
NR-OFF
PB
PAS8.AMP/BOO
CAP.M-ON
A-TRG
B-TRG
TRG-LOW
CAP.M-ON
STEREO
TUNED
ST-CE
RELAY-SEL-M
RELAY-ON
RELAY-LEVEL-
RELAY-LEVEL-
VDD
PRO-LOGIC


A TCB BOARD CN1 (Page 34, 38)
B MAIN BOARD (2/2) (Page 53)
FUNCTION μ-COM LOGIC
IC802, IC803
INPUT SELECTOR
IC1101
PRO LOGIC
IC1103
AMP
IC1104
VOLUME
IC1102
DELAY
IC901
EQ
IC902
SPEAKER SIGNAL AMP
IC1002
+7V REG
IC1003
+7V REG
IC1004
-7V REG
Q1003
+10V REG
Q701
RESET SWITCH
Q951 BBFB SWITCH
Q952 BBFB SWITCH
Q901 BBFB SWITCH
Q902 BBFB SWITCH
Q820 MUTE SWITCH
Q953, 954 MUTE
[C901] M62427FP
4.9Vp-p 8MHz
2.8Vp-p 10MHz
4Vp-p 32.768MHz
*3
C912, 913 0.22
C962, 963
R906, 956 470k
R907, 957 47k
R908, 958 10k
R909, 959 330

24 25 26 27 28 29 30 31 32 33 34 35 36 37



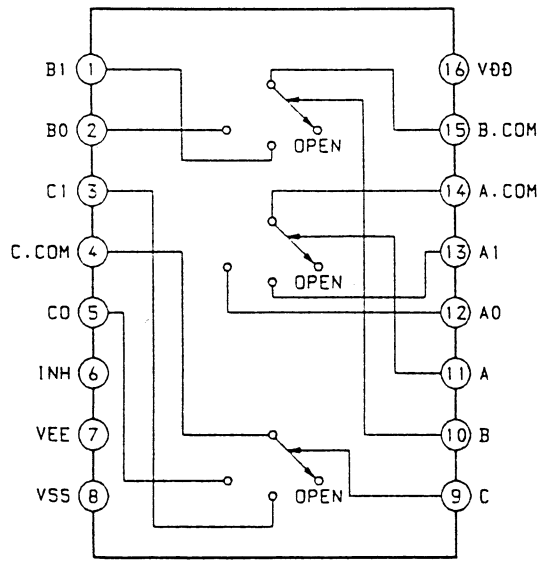
NOTE

- All capacitors are in μF unless otherwise noted. pF: μμF 50WV or less are not indicated except for electrolytics and tantalums.
- All resistors are in Ω and 1/4W or less unless otherwise specified.
- △ :internal component.
- ⚠ :fusible resistor.
- ▭ :panel designation.

Note:	Note:
The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety. Replace only with part number specified.	Les composants identifiés par une marque ⚠ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

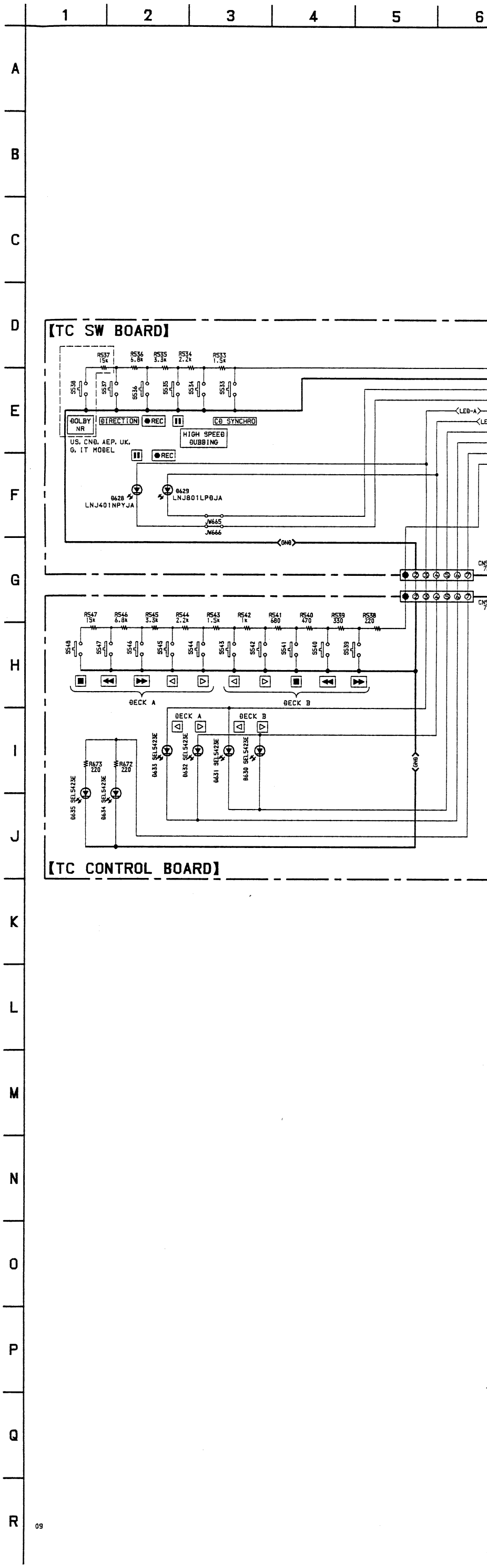
- B+ :B+ Line.
- B- :B- Line.
- Voltages and waveforms are dc with respect to ground under no-signal (detuned) conditions.
  no mark:FM
  ( ):CB PLAY
  * :can not be measured.
- Voltages are taken with a VOM (Input impedance 10MΩ). Voltage variations may be noted due to normal production tolerances.
- Waveforms are taken with a oscilloscope. Voltage variations may be noted due to normal production tolerances.
- Abbreviation
  G :German model.
  IT :Italian model.
  MX :Mexican model.
  AUS:Australian model.
  AR :Argentine model.
- Signal path.
  ⇨ :FM
  ⇨ :VIDEO WOOFER
  ➡ :SUPER WOOFER
  ⇨ :PB
  ⇨ :REC
  ⇨ :CD
  ⇨ :PHONO
  ▷ :MIC

• IC Block Diagram
IC503 MC14053BCP



5-16. SCHEMATIC DIAGRAM — PANEL SECTION —

• See page 18 for IC Pin Function. (IC501)



09

【PANEL BOARD】

FL501

FLUORESCENT INDICATOR TUBE

IC501
AS80204-012-3BA
IC501
DISPLAY CONTROL

S579
VOLUME

IC503
MC14053BCP
IC503
MODE SELECT

IC504
SN74HC04AN
IC504
INVERTER

E. AUS. PX. MX. AR MODEL

EXCEPT US. CNB MODEL

AEP. UK. G. IT MODEL

CNB (R) BOARD G CN514 (Page 41)

CNB (L) BOARD H CN515 (Page 41)

【PANEL BOARD】

FL501

FLUORESCENT INDICATOR TUBE

IC501
AS80204-012-3BA
IC501
DISPLAY CONTROL

IC502
6P1U28XB
REMOTE CONTROL RECEIVER

IC504
INVERTER

IC503
MODE SELECT

S579
VOLUME

E. AUS. PX. MX. AR MODEL

DOLBY PRO LOGIC | CENTER | ON/OFF | HALL | THEATER | LIVE | TUNING MODE | KARAOKE PON/MPX | EFFECT | CLOCK SET | SLEEP | SYSTEM POWER

FILE 5 | FILE SELECT | FILE 4 | FILE 3 | FILE 2 | FILE 1 | EQ MEMORY | FUNCTION | TIMER SET | DAILY 1 | DAILY 2 | REC | DISPLAY /DEMO | ENTER /NEXT

AEP, UK, G, IT MODEL: PTY | TUNER/BAND | DBFB | SUPERWOOFER

EXCEPT US. CND MODEL

TUNING | TUNER MEMORY | STEREO/MONO

SUPER WOOFER | THEATER | DOLBY SURROUND ON/OFF | LIVE | HALL

EXCEPT US. CND MODEL

ENTER/NEXT | PFILE | CLASSIC. STUDIO | POPS. DANCE | EFFECT | SELECT 5 | MORE 5 | SALSA. CHURCH | JAZZ. STUDIUM | ROCK. GAME

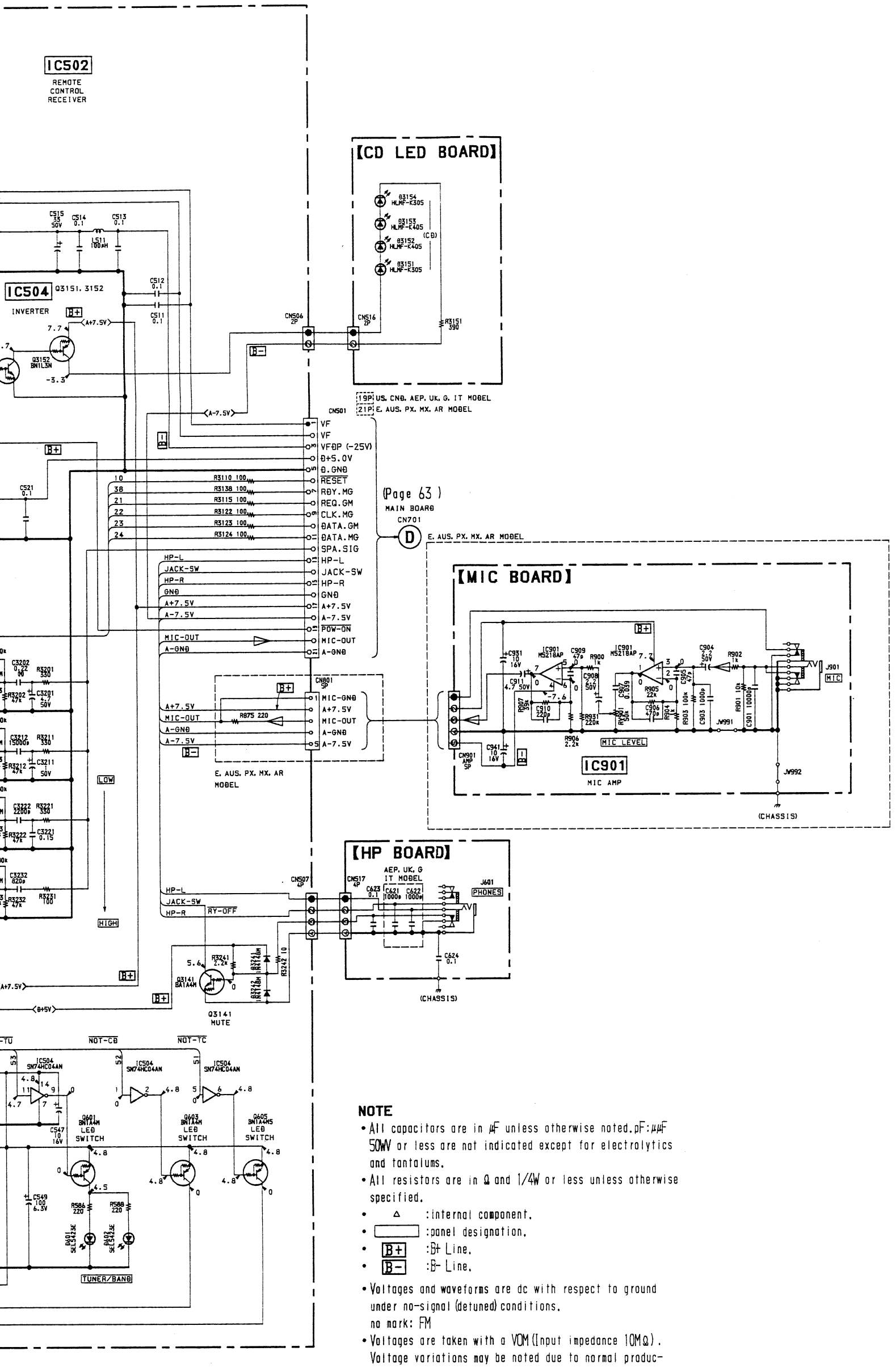
Q611, 612 SWITCH

Q621-625, 627-634 LED SWITCH

CN502 10P | CN504 9P | CN505 6P

KEY-2 | KEY-4A | A-REV-PLY | A-FWD-PLY | LED-B | LED-A | TC-PAUSE | TC-REC | TC/NOT-TC | CD/NOT-CD | NOT-TC | NOT-TU | POW-ON | CD

BOARD G (41) | BOARD H (41)



NOTE

- All capacitors are in μF unless otherwise noted. pF: μμF
  50WV or less are not indicated except for electrolytics and tantalums.
- All resistors are in Ω and 1/4W or less unless otherwise specified.
- △ : internal component.
- □ : panel designation.
- B+ : B+ Line.
- B- : B- Line.
- Voltages and waveforms are dc with respect to ground under no-signal (detuned) conditions.
  no mark: FM
- Voltages are taken with a VOM (Input impedance 10MΩ).
  Voltage variations may be noted due to normal production tolerances.
- Waveforms are taken with a oscilloscope.
  Voltage variations may be noted due to normal production tolerances.
- Abbreviation
  CNB: Canadian model.
  G : German model.
  IT : Italian model.
  AUS: Australian model.
  MX : Mexican model.
  AR : Argentine model.
- Signal path.
  ▷ : MIC

5-17. PRINTED WIRING BOARD — PANEL SECTION —

• See page 17 for Circuit Boards Location.

[PANEL BOARD]

FL501 FLUORESCENT INDICATOR TUBE

AEP,UK,G,IT MODEL

CN501 19P: US,CND,AEP,UK,G,IT MODEL 21P: E,AUS,PX,MX,AR MODEL

E,AUS,PX,MX,AR MODEL

EXCEPT US,CND MODEL

MAIN BOARD CN701 (Page 57)

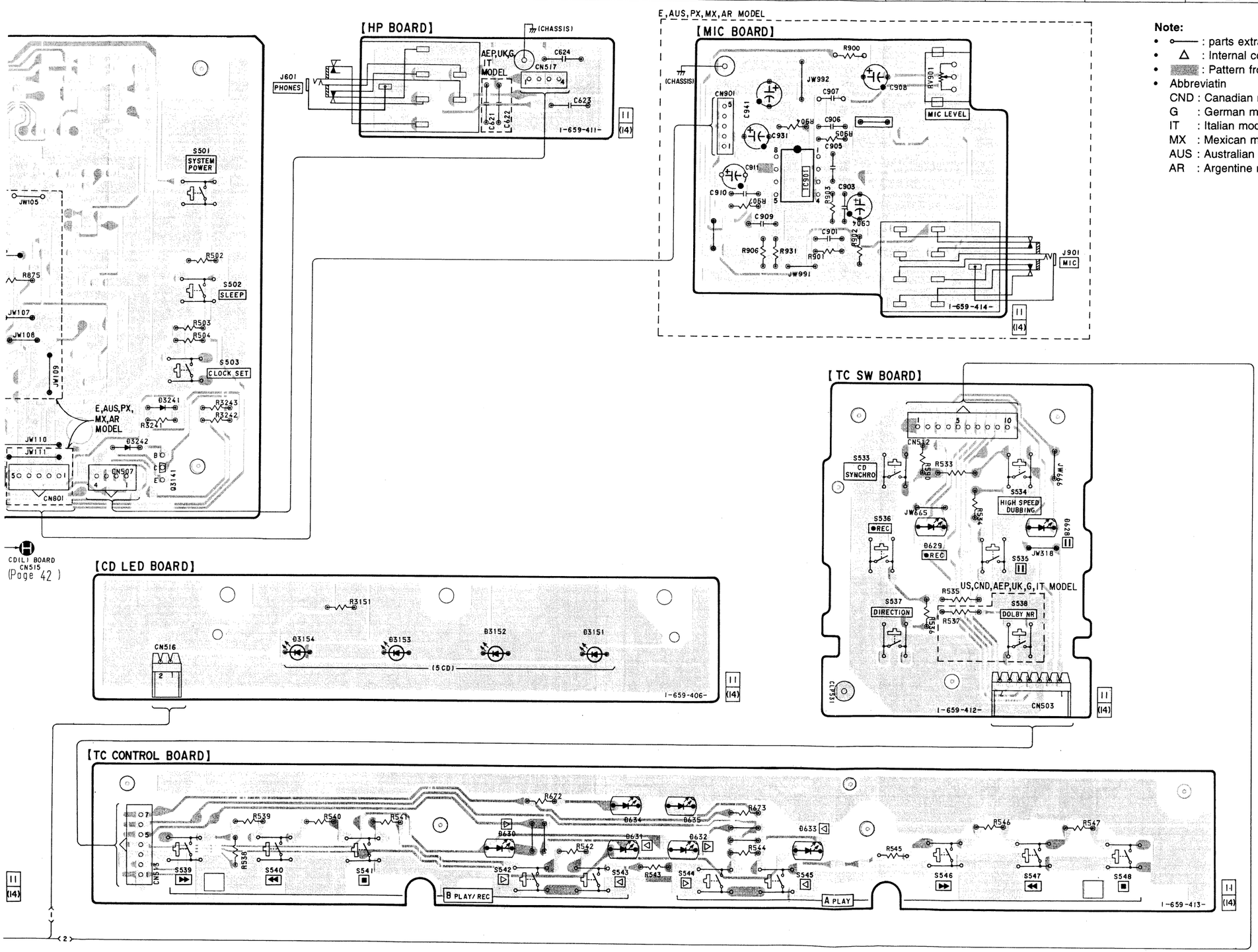
CD(R) BOARD CN514 (Page 42)

CD(L) BOARD CN515 (Page 42)

[CD LE

[TC CONT

15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27



Note:

- ⟷ : parts extracted from the component side.
- △ : Internal component.
- ▒ : Pattern from the side which enable seeing.
- Abbreviatin
  - CND : Canadian model.
  - G : German model.
  - IT : Italian model.
  - MX : Mexican model
  - AUS : Australian model.
  - AR : Argentine model.

- **Semiconductor Location**

Ref. No.	Location
D511	H-10
D512	H-10
D601	D-9
D602	D-9
D611	G-14
D612	G-12
D613	G-11
D614	G-10
D615	G-9
D616	G-8
D617	G-7
D618	G-7
D619	D-5
D620	F-7
D623	F-11
D624	F-10
D625	F-9
D626	F-8
D627	I-2
D628	F-25
D629	F-24
D630	I-20
D631	I-21
D632	I-22
D633	I-23
D634	I-21
D635	I-22
D3026	C-7
D3027	C-7
D3028	C-7
D3029	C-7
D3151	G-21
D3152	G-20
D3153	G-19
D3154	G-18
D3201	A-3
D3211	B-2
D3221	C-2
D3231	D-2
D3241	E-16
D3242	E-16
IC501	C-10
IC502	B-14
IC503	I-10
IC504	H-3
IC901	B-23
Q601	G-3
Q603	H-4
Q605	H-3
Q611	G-6
Q612	G-6
Q621	H-14
Q622	G-11
Q623	H-8
Q624	H-7
Q625	B-5
Q627	F-12
Q628	F-8
Q629	H-2
Q630	I-6
Q631	I-6
Q632	F-14
Q633	F-14
Q634	F-14
Q636	B-6
Q3141	E-16
Q3151	I-5
Q3152	I-4

5-18. PRINTED WIRING BOARD — POWER SECTION —

• See page 17 for Circuit Boards Location.

• **Semiconductor Location**

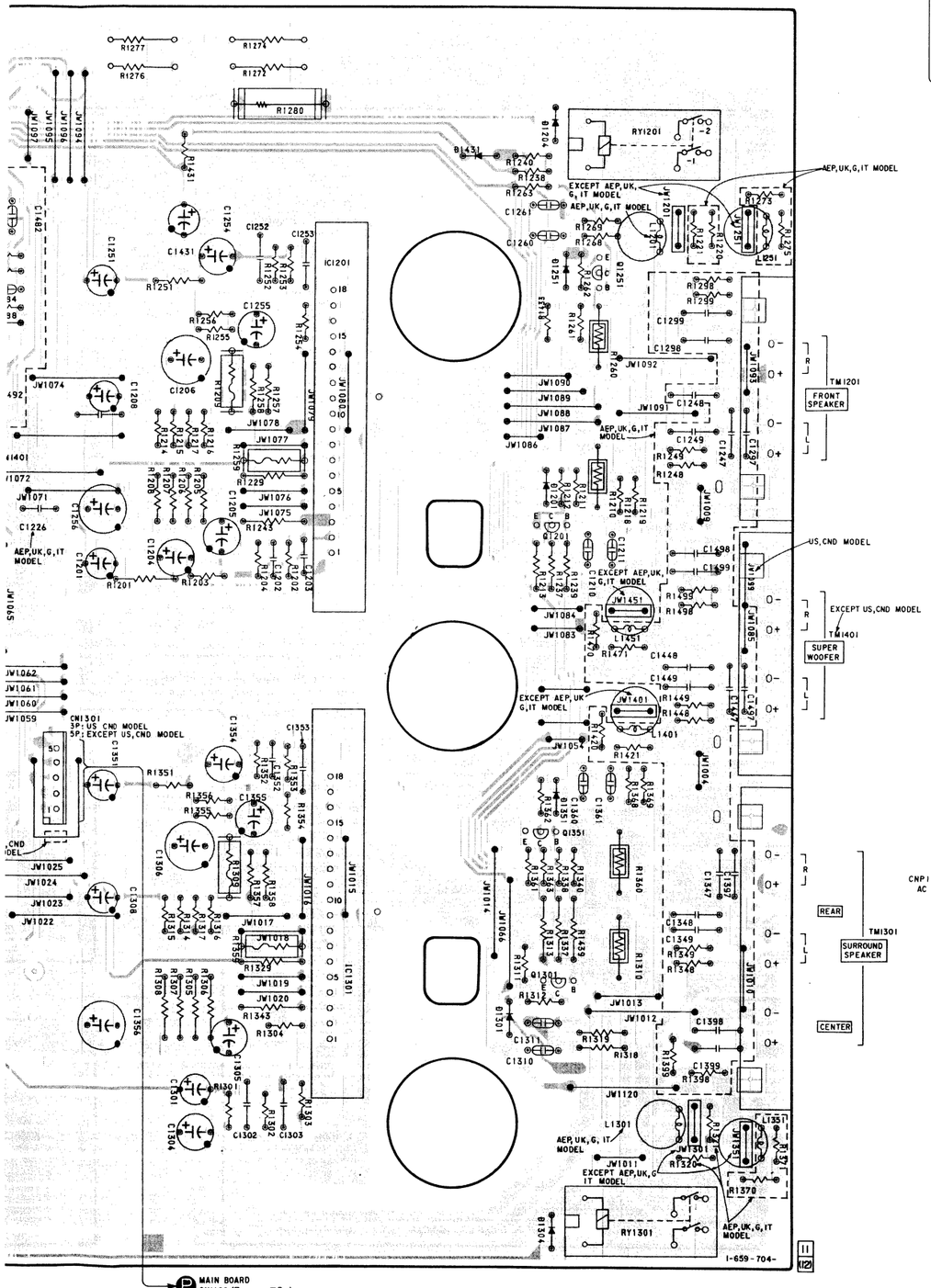
Ref. No.	Location
D1201	E-16
D1202	D-9
D1204	B-16
D1206	F-9
D1207	F-9
D1209	C-8
D1210	C-8
D1211	C-8
D1212	C-8
D1213	D-10
D1231	C-8
D1232	C-8
D1240	E-9
D1241	E-9
D1250	I-8
D1251	C-16
D1301	J-16
D1304	K-16
D1306	D-10
D1307	D-10
D1308	D-10
D1341	E-9
D1351	H-16
D1401	I-5
D1404	I-3
D1406	C-10
D1407	C-10
D1408	C-10
D1411	D-11
D1412	D-11
D1431	B-16
D1441	E-9
D1451	I-1
IC1201	C-14
IC1202	F-8
IC1301	I-15
IC1401	H-3
IC1402	C-11
IC1403	D-11
Q1201	F-16
Q1206	D-8
Q1207	F-9
Q1208	F-9
Q1230	D-8
Q1240	E-9
Q1251	C-17
Q1301	I-16
Q1307	E-10
Q1351	H-16
Q1401	I-5
Q1404	E-10
Q1405	E-11
Q1407	C-10
Q1451	I-2

Note:

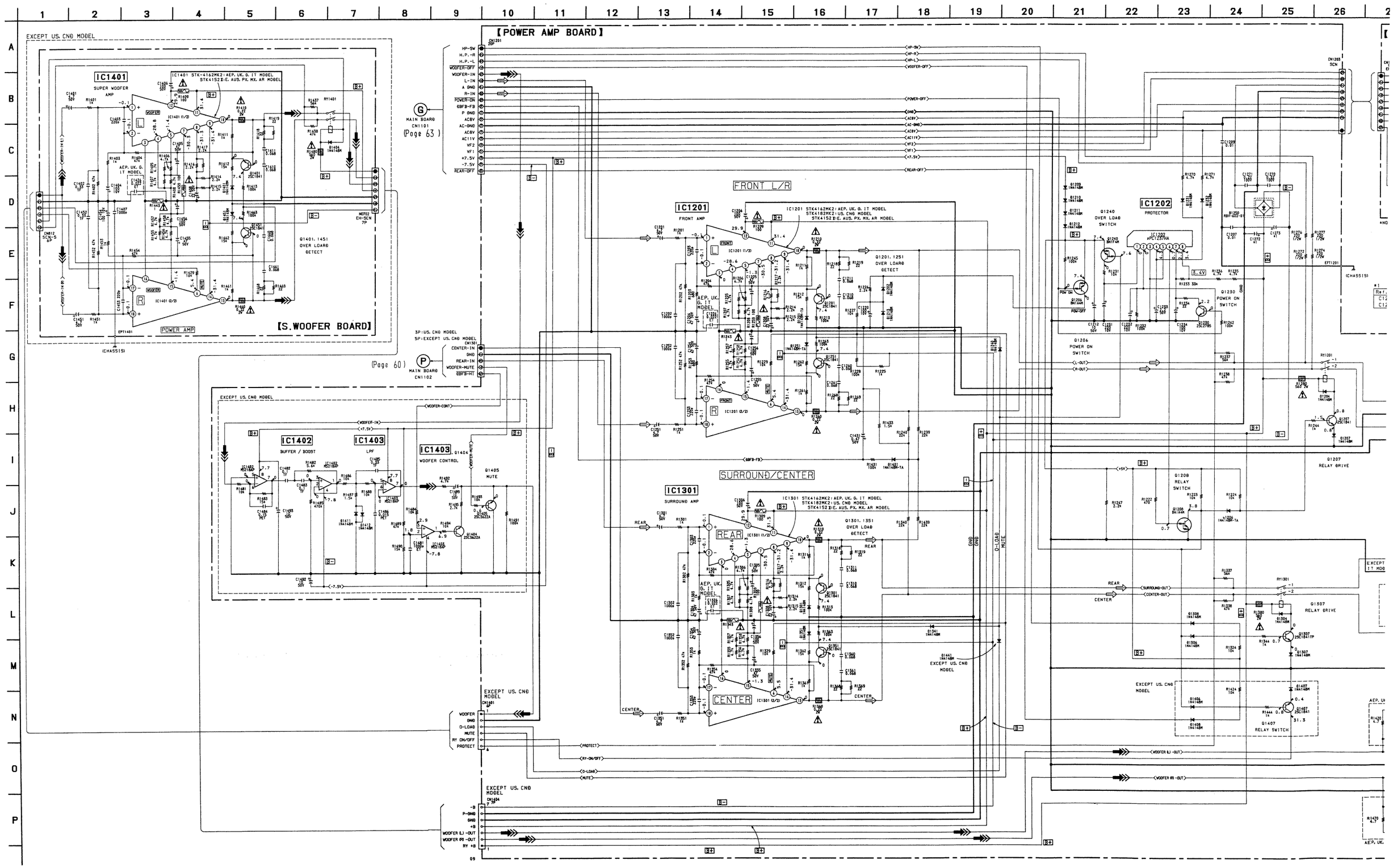
- ——o : parts extracted from the component side.
- ▒▒▒ : Pattern from the side which enable seeing.
- Abbreviatin
  - CND : Canadian model.
  - G : German model.
  - IT : Italian model.
  - MX : Mexican model
  - AUS : Australian model.
  - AR : Argentine model.

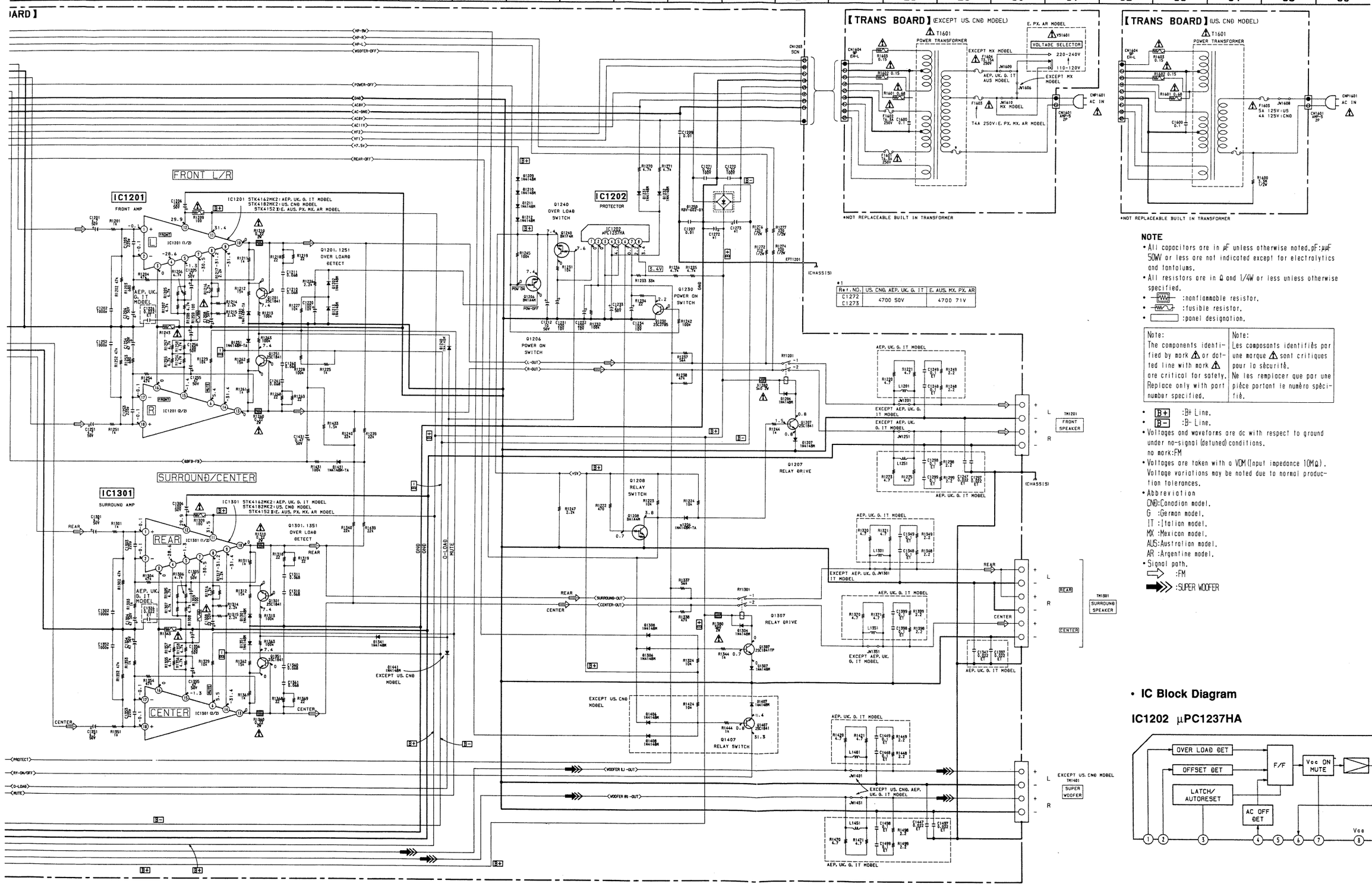
【POWER AMP BOARD】

【S. WOOFER BOARD】(EXCEPT US,CND MODEL)


R1277
R1276
R1274
R1275
R1280
RY1201
D1431
R1431
R1240
R1238
R1263
C1261
C1260
EXCEPT AEP,UK,G,IT MODEL
AEP,UK,G,IT MODEL
JW1201
R1269
R1268
R1273
R1271
L1251
R1270
Q1251
R1242
R1241
C1254
C1252
C1253
C1431
C1251
R1251
IC1201
R1256
R1255
C1255
C1206
R1254
R1257
R1258
JW1078
JW1077
JW1076
JW1075
R1214
R1215
R1216
R1217
R1259
R1229
R1205
R1206
R1207
R1208
C1205
R1224
C1256
C1226
AEP,UK,G,IT MODEL
C1204
C1201
R1201
R1203
C1202
R1204
C1203
JW1074
C1208
JW1071
JW1072
JW1073
JW1080
JW1079
JW1092
C1298
R1298
R1299
C1299
JW1090
JW1089
JW1088
JW1087
JW1086
JW1091
C1248
C1249
R1249
R1248
C1247
C1250
JW1095
JW1096
JW1094
JW1097
R1431
C1482
JW1062
JW1061
JW1060
JW1059
CN1301
3P: US CND MODEL
5P: EXCEPT US,CND MODEL
C1354
C1353
C1351
R1352
R1353
R1354
R1351
R1356
R1355
C1355
C1306
R1306
R1357
R1358
JW1025
JW1024
JW1023
JW1022
C1308
JW1016
JW1015
IC1301
JW1017
JW1018
R1329
JW1019
JW1020
R1304
R1308
R1309
R1310
R1311
R1312
R1315
R1316
R1317
C1556
C1301
R1301
C1304
C1302
R1302
C1303
R1303
JW1014
JW1096
JW1013
JW1012
JW1120
C1398
C1399
R1398
R1399
C1310
C1311
R1318
R1319
B1301
Q1301
JW1054
JW1401
R1421
L1401
R1471
L1451
C1448
C1449
R1449
R1448
JW1083
JW1084
JW1085
JW1004
JW1005
JW1006
C1360
C1361
R1362
R1363
R1338
R1339
R1340
R1341
R1342
R1343
R1344
R1345
R1346
R1347
Q1351
C1347
C1348
C1349
R1349
R1348
R1439
R1310
C1301
L1301
AEP,UK,G,IT MODEL
JW1011
EXCEPT AEP,UK,G,IT MODEL
JW1301
R1320
L1351
R1370
RY1301
B1304
EXCEPT AEP,UK,G,IT MODEL
JW1003
JW1002
JW1001
JW1000
C1498
C1499
R1498
R1499
JW1451
L1451
R1471
C1448
C1449
JW1401
R1449
R1448
L1401
R1421
JW1054
JW1004
R1349
C1360
C1361
Q1351
R1362
R1363
R1338
R1339
R1340
R1341
R1342
R1343
R1344
R1345
R1346
R1347
C1347
C1348
C1349
R1349
R1348
R1439
R1310
JW1013
JW1012
C1398
C1399
R1398
R1399
JW1120
C1310
C1311
R1318
R1319
B1301
Q1301
JW1014
JW1096
JW1006
JW1005
JW1004
JW1003
JW1002
JW1001
JW1000
JW1090
JW1089
JW1088
JW1087
JW1086
JW1091
C1248
C1249
R1249
R1248
C1247
C1250
JW1095
JW1096
JW1094
JW1097
R1431
C1482
JW1062
JW1061
JW1060
JW1059
CN1301
3P: US CND MODEL
5P: EXCEPT US,CND MODEL
C1354
C1353
C1351
R1352
R1353
R1354
R1351
R1356
R1355
C1355
C1306
R1306
R1357
R1358
JW1025
JW1024
JW1023
JW1022
C1308
JW1016
JW1015
IC1301
JW1017
JW1018
R1329
JW1019
JW1020
R1304
R1308
R1309
R1310
R1311
R1312
R1315
R1316
R1317
C1556
C1301
R1301
C1304
C1302
R1302
C1303
R1303
JW1054
JW1401
R1421
L1401
R1471
L1451
C1448
C1449
R1449
R1448
JW1083
JW1084
JW1085
JW1004
JW1005
JW1006
C1360
C1361

5-19. SCHEMATIC DIAGRAM — POWER SECTION —





*1

Ref. NO.	US. CNB, AEP, UK, G. IT	E. AUS, MX, PX, AR
C1272	4700 50V	4700 71V
C1273		

NOTE

- All capacitors are in μF unless otherwise noted. pF: μF
  50WV or less are not indicated except for electrolytics and tantalums.
- All resistors are in Ω and 1/4W or less unless otherwise specified.
- : nonflammable resistor.
- : fusible resistor.
- : panel designation.

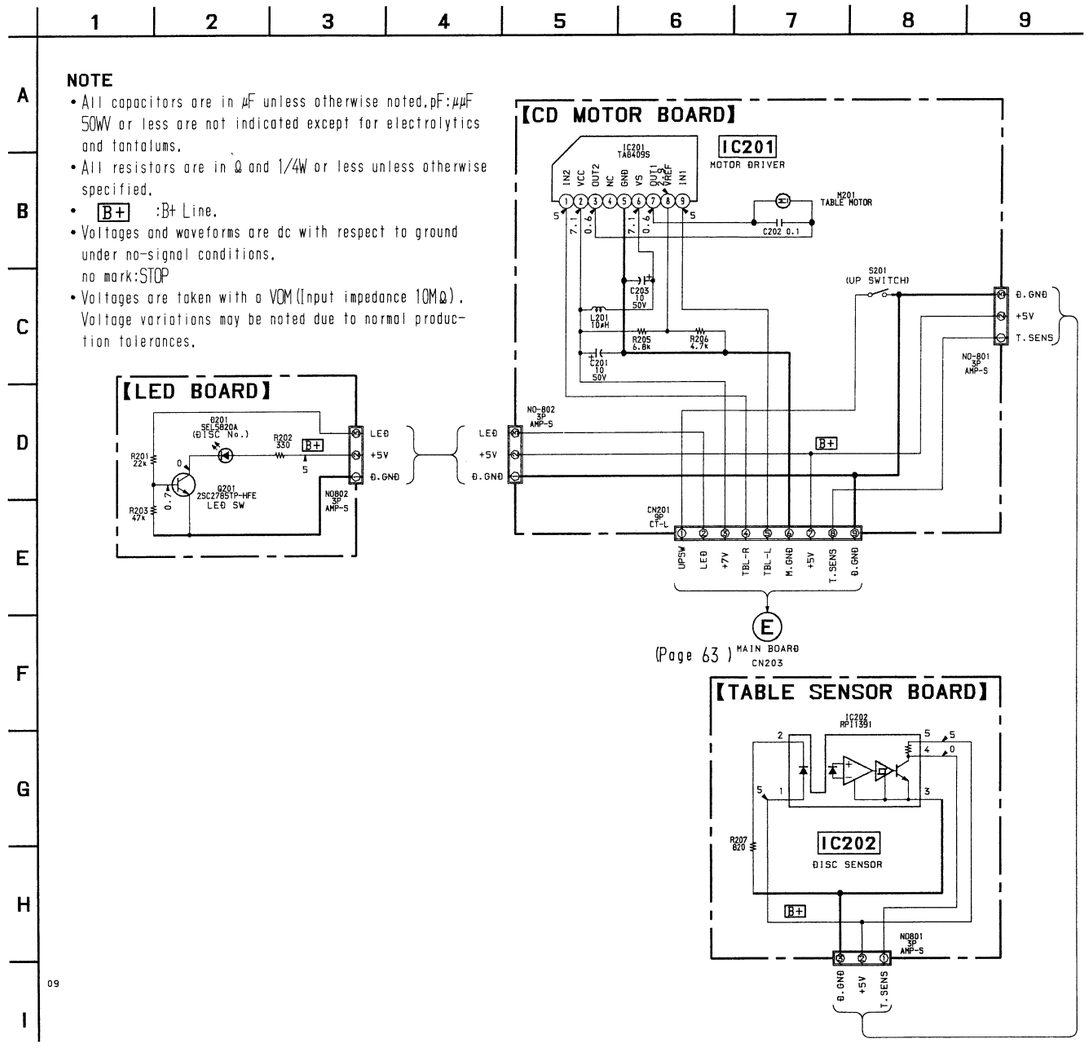
Note:	Note:
The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety. Replace only with part number specified.	Les composants identifiés par une marque ⚠ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

- B+ : B+ Line.
- B- : B- Line.
- Voltages and waveforms are dc with respect to ground under no-signal (detuned) conditions.
  no mark: FM
- Voltages are taken with a VOM (Input impedance 10MΩ). Voltage variations may be noted due to normal production tolerances.
- Abbreviation
  CNB: Canadian model.
  G : German model.
  IT : Italian model.
  MX : Mexican model.
  AUS: Australian model.
  AR : Argentine model.
- Signal path.
  : FM
  : SUPER WOOFER

• IC Block Diagram

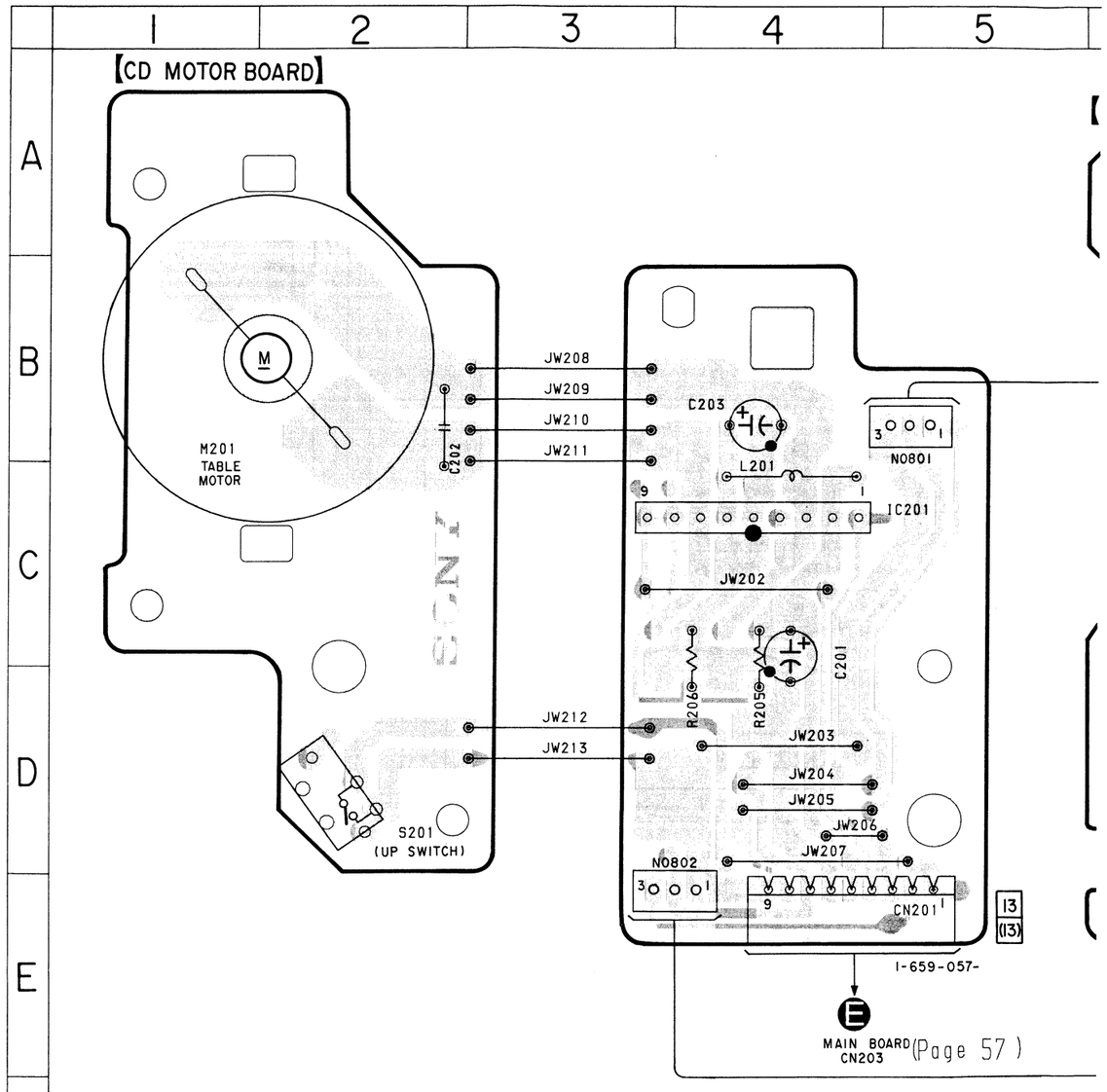
IC1202 μPC1237HA

5-20. SCHEMATIC DIAGRAM — CD MOTOR SECTION —



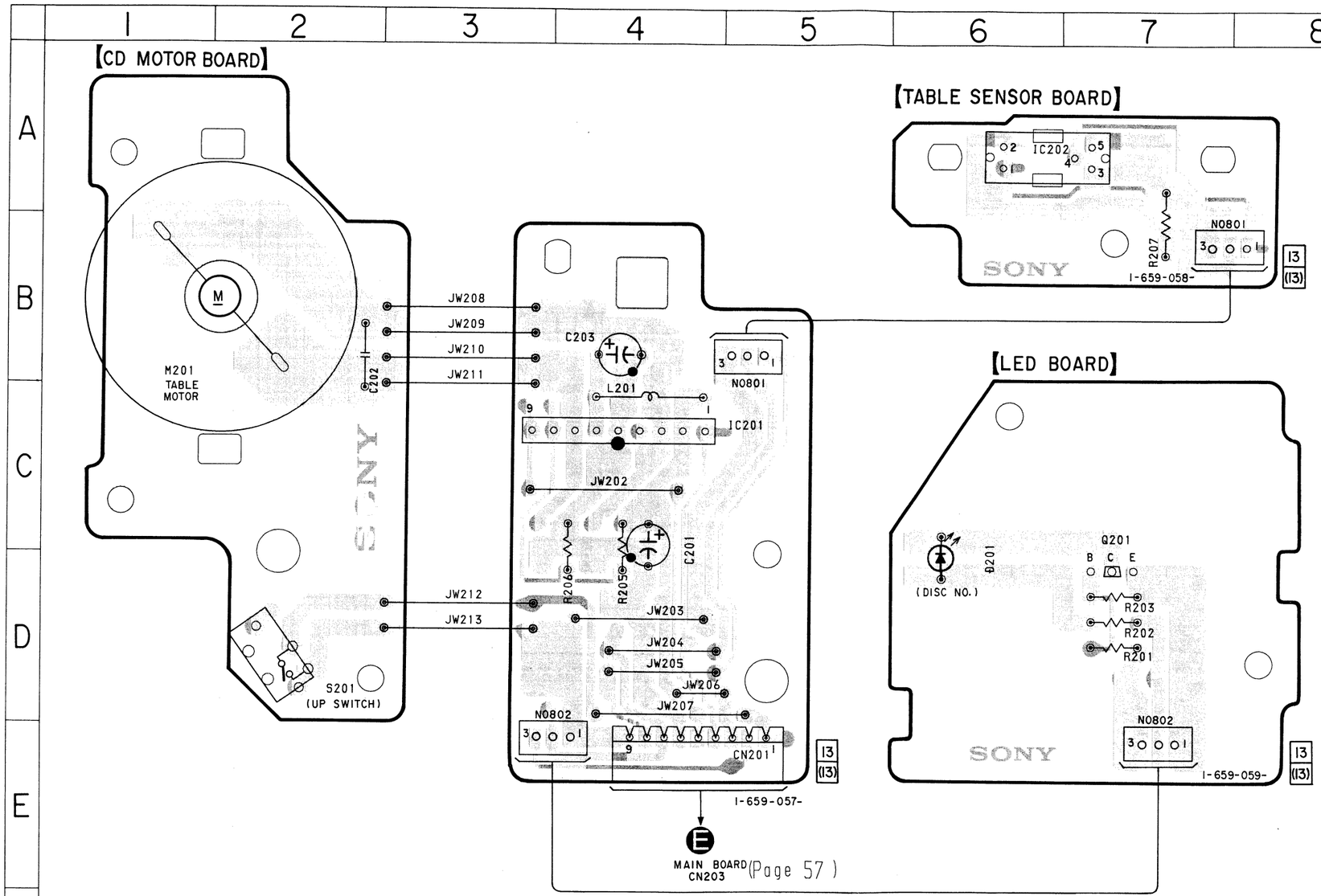
5-21. PRINTED WIRING BOARD — CD MOTOR SECTION —

• See page 17 for Circuit Boards Location.



5-21. PRINTED WIRING BOARD — CD MOTOR SECTION —

• See page 17 for Circuit Boards Location.

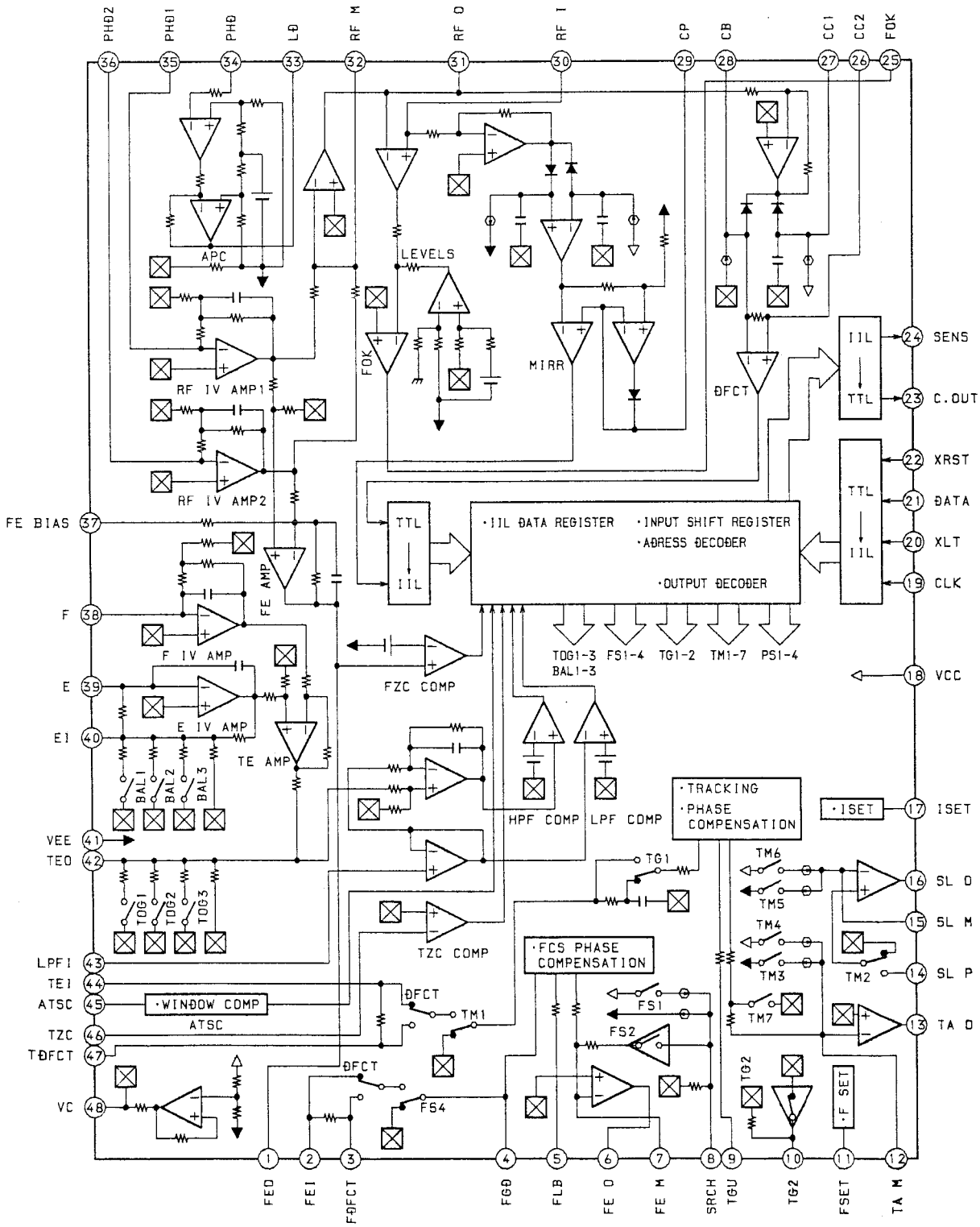


Note:

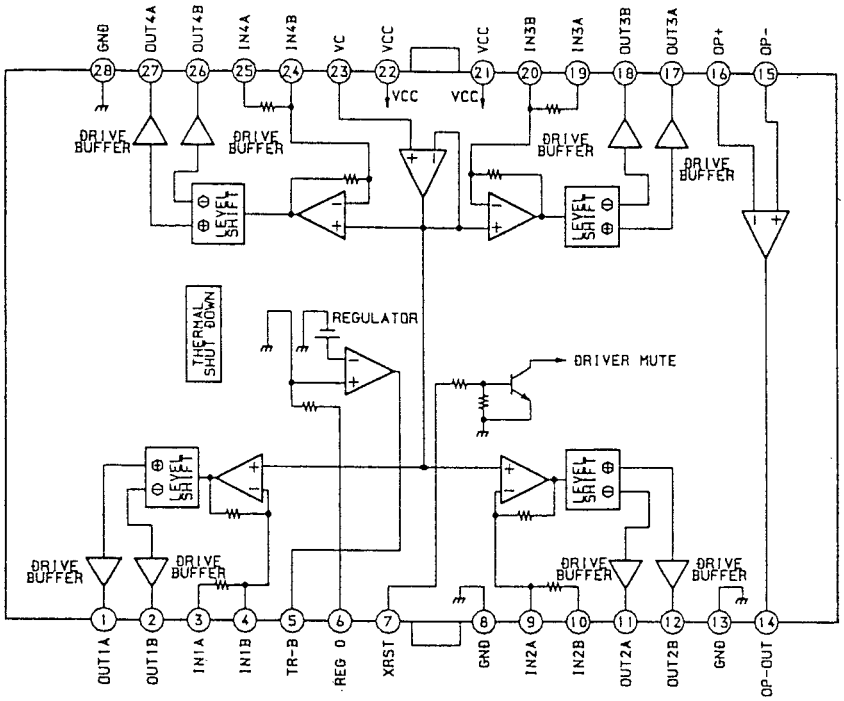
- ○—— : parts extracted from the component side.
- ▒▒▒ : Pattern from the side which enable seeing.

5-22. IC BLOCK DIAGRAMS — CD SECTION —

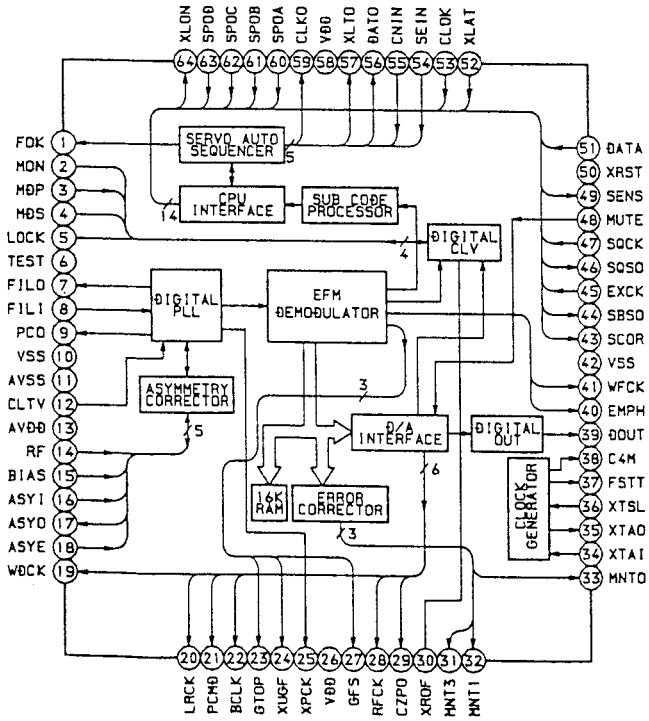
IC101 CXA1782BQ



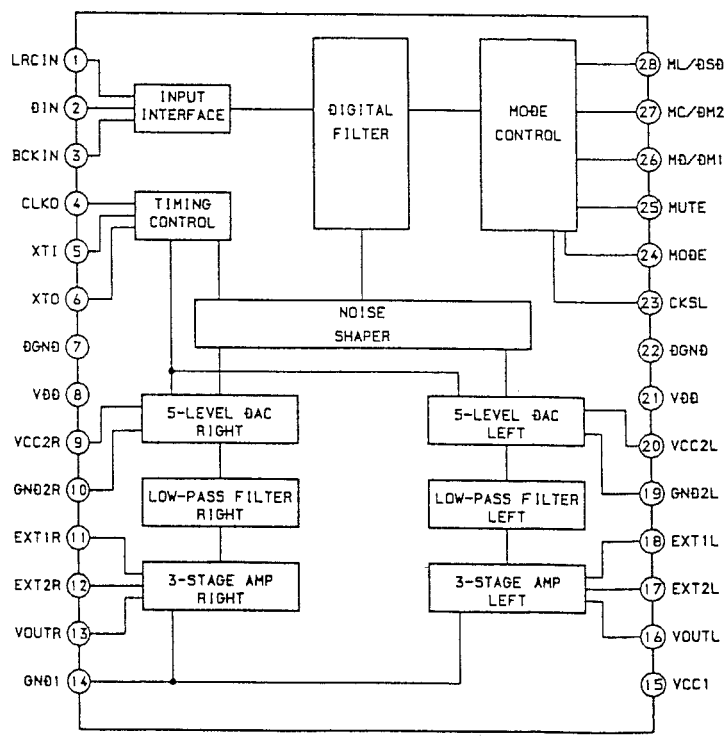
IC102 BA6397FP



IC103 CXD2507AQ



IC104 PCM1710U



SECTION 6
EXPLODED VIEWS

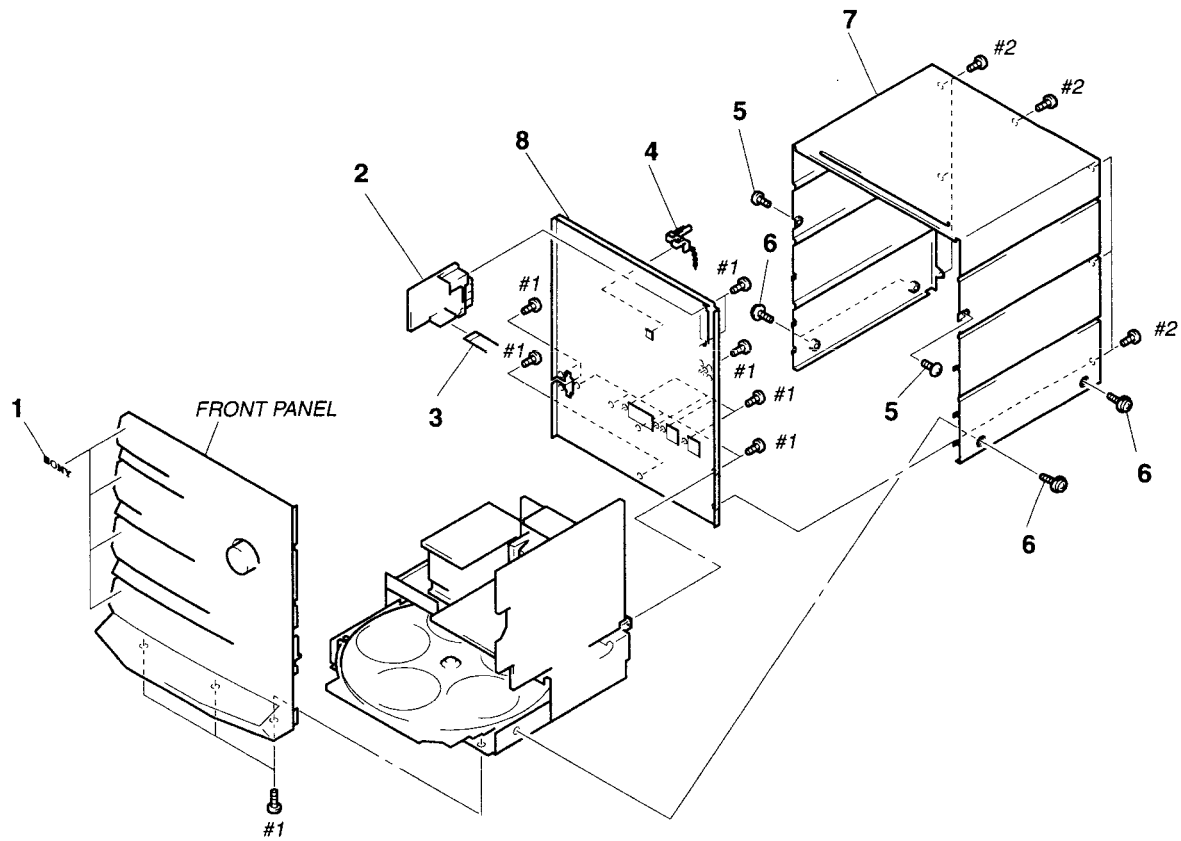
NOTE:

- Items marked "*" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- The mechanical parts with no reference number in the exploded views are not supplied.
- Abbreviation
  CND : Canadian model
  G : German model
  IT : Italian model
  MX : Mexican model
  AUS : Australian model
  AR : Argentine model

The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety.
Replace only with part number specified.

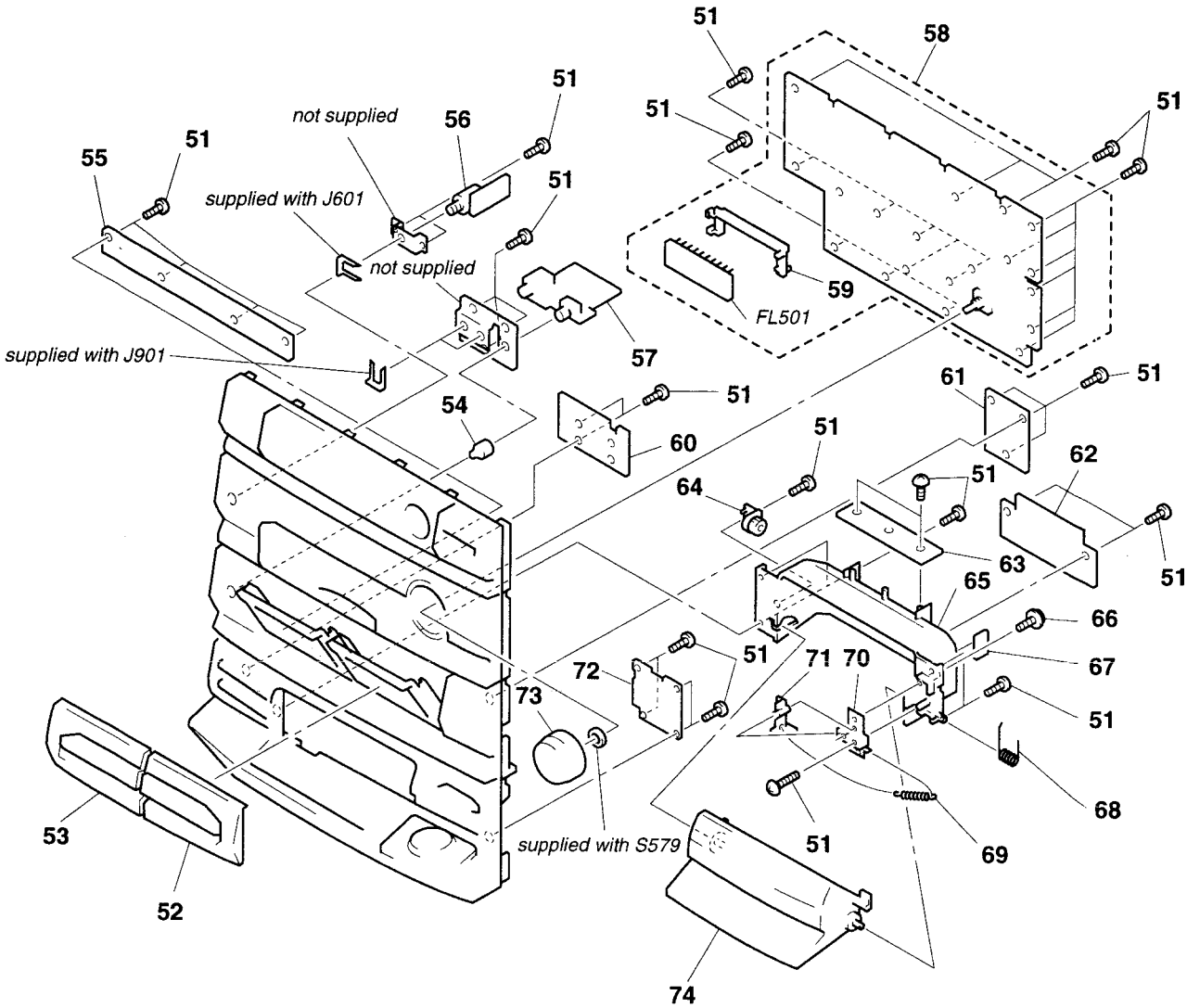
Les composants identifiés par une marque ⚠ sont critiques pour la sécurité.
Ne les remplacer que par une piéce portant le numéro spécifié.

6-1. CABINET AND BALCK PANEL SECTION



Ref. No.	Part No.	Description	Remark
1	4-963-404-21	EMBLEM (5-A), SONY	
* 2	A-4303-502-A	TCB BOARD, COMPLETE (Except Malaysia product) (N555AV:AEP,UK)	
* 2	A-4303-503-A	TCB BOARD, COMPLETE (N555AV:IT,G)	
* 2	A-4303-510-A	TCB BOARD, COMPLETE(D670AV)	
* 2	A-4303-513-A	TCB BOARD, COMPLETE (N555AV:E,AUS,AR,MX,PX)	
* 2	A-4303-514-A	TCB BOARD, COMPLETE(Malaysia product) (N555AV:AEP)	
3	1-751-688-11	WIRE (FLAT TYPE)(13 CORE) (D670AV/N555AV:E,G,IT,AUS,PX,MX,AR)	
3	1-773-011-11	WIRE (FLAT TYPE)(15 CORE)(N555AV:AEP,UK)	
4	4-956-370-12	BAND, PLUG FIXED (N555AV:UK,AUS	
5	3-363-099-01	SCREW (CASE 3 TP2)	
6	4-929-973-01	SCREW (CASE, 3 POINT)	
* 7	4-978-177-71	CASE	
* 8	4-978-193-01	PANEL, BACK (D670AV:US)	
* 8	4-978-193-11	PANEL, BACK (D670AV:CND)	
* 8	4-978-193-21	PANEL, BACK (N555AV:AEP)	
* 8	4-978-193-31	PANEL, BACK (N555AV:G)	
* 8	4-978-193-41	PANEL, BACK (N555AV:IT)	
* 8	4-978-193-51	PANEL, BACK (N555AV:UK)	
* 8	4-978-194-01	PANEL, BACK (N555AV:E)	
* 8	4-978-194-11	PANEL, BACK (N555AV:AR)	
* 8	4-978-194-21	PANEL, BACK (N555AV:AUS)	
* 8	4-978-194-31	PANEL, BACK (N555AV:PX)	
* 8	4-978-194-41	PANEL, BACK (N555AV:MX)	

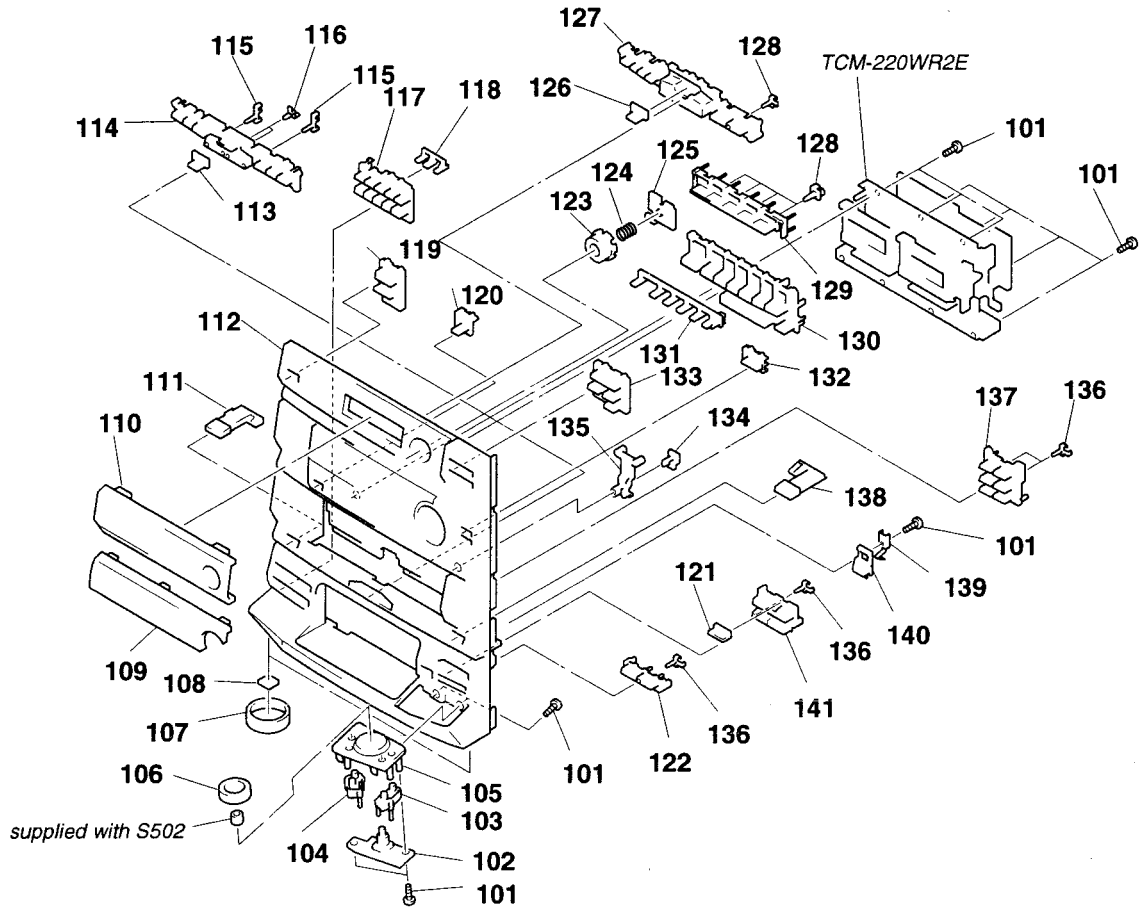
6-2. PANEL BOARD SECTION



Ref. No.	Part No.	Description	Remark
51	4-951-620-01	SCREW (2.6X8), +BVTP	
52	X-4946-636-1	LID (B) ASSY, CASSETTE	
53	X-4946-635-1	LID (A) ASSY, CASSETTE	
54	4-973-644-01	KNOB (MIC)(N555AV:E,AUS,PX,MX,AR)	
* 55	1-659-413-11	TC CONTROL BOARD	
* 56	1-659-411-11	HP BOARD	
* 57	1-659-414-11	MIC BOARD (N555AV:E,AUS,PX,MX,AR)	
* 58	A-4389-610-A	PANEL BOARD, COMPLETE (D670AV)	
* 58	A-4389-619-A	PANEL BOARD, COMPLETE (N555AV:E,AUS,PX,MX,AR)	
* 58	A-4389-629-A	PANEL BOARD, COMPLETE (N555AV:AEP,UK,G,IT)	
59	4-971-014-11	HOLDER, FL TUBE	
* 60	1-659-404-11	CD (L) BOARD	
* 61	1-659-412-11	TC SW BOARD	
62	4-980-060-01	INDICATOR (COVER)	

Ref. No.	Part No.	Description	Remark
* 63	1-659-406-11	CD LED BOARD	
64	3-354-963-21	DAMPER	
65	4-978-140-11	COVER (CD)	
66	4-957-577-01	SCREW PTP WH (2.6X8)(DIA. 10)	
* 67	1-659-408-11	DOOR SW BOARD	
68	4-978-171-01	SPRING, TORSION	
69	4-978-170-01	SPRING, TENSION	
* 70	4-978-169-01	BRACKET (OPEN)	
71	4-978-141-01	LEVER, LOCK	
* 72	1-659-409-11	CD (R) BOARD	
73	4-978-142-01	KNOB (V)	
74	4-978-139-01	LID, DISC	
FL501	1-517-490-21	INDICATOR TUBE, FLUORESCENT	

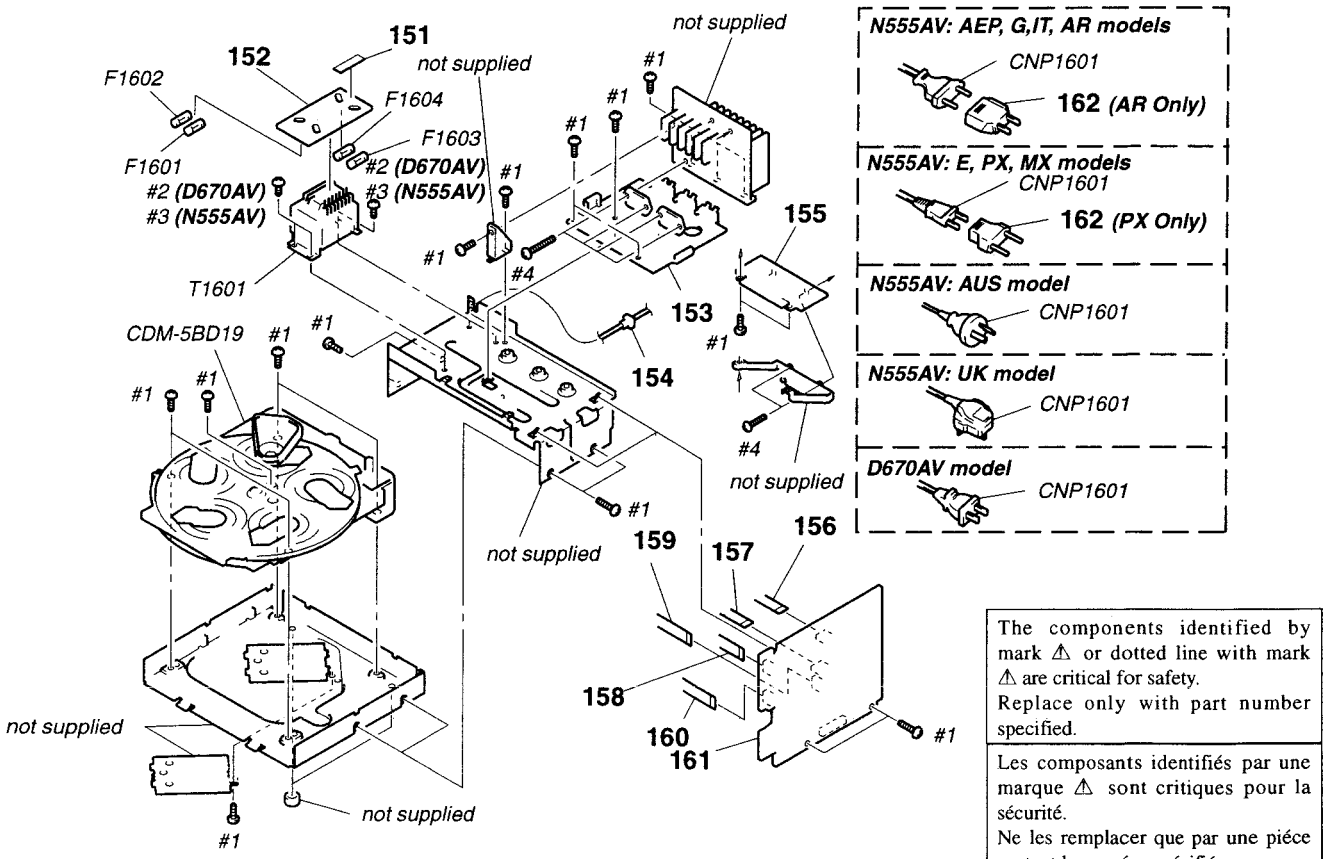
6-3. FRONT PANEL SECTION



Ref. No.	Part No.	Description	Remark
101	4-951-620-01	SCREW (2.6X8), +BVTP	
* 102	1-659-405-11	CD JOG BOARD	
103	4-978-153-01	BUTTON (PROGRAM)	
104	4-978-712-01	BUTTON (SHUFFLE)	
105	4-978-155-01	PLATE, ORNAMENTAL	
106	4-978-154-01	KNOB (DISC)	
107	4-921-918-11	PLATE, ORNAMENTAL	
108	4-948-236-01	CUSHION (107)	
109	4-978-680-01	DISPLAY (TA)(D670AV)	
109	4-978-680-11	DISPLAY (TA)(N555AV)	
110	4-978-131-01	DISPLAY (ST) (D670AV/N555AV:E,AUS,PX,MX,AR)	
110	4-978-131-11	DISPLAY (ST)(N555AV:AEP,UK,G,IT)	
111	4-978-146-01	BUTTON (EJECT-L)	
112	4-978-116-01	PANEL, FRONT (D670AV)	
112	4-978-116-11	PANEL, FRONT (N555AV:AEP,UK,G,IT)	
112	4-978-116-21	PANEL, FRONT (N555AV:E,AUS,PX,MX,AR)	
113	4-978-157-01	INDICATOR (TC)	
114	4-978-145-01	BUTTON (TC)	
115	4-978-159-01	INDICATOR (REV)	
116	4-978-158-01	INDICATOR (FWD)	
117	4-978-127-11	BUTTON (DISC 5)	
118	4-978-160-01	INDICATOR (CLIP)	
119	4-978-118-01	BUTTON (POWER)	
120	4-978-151-01	BUTTON (PON)(N555AV:E,AUS,PX,MX,AR)	
121	4-978-137-01	INDICATOR (PLAY)	

Ref. No.	Part No.	Description	Remark
122	4-978-152-01	BUTTON (AUTO)	
123	4-978-119-01	BUTTON (CURSOR)	
124	4-978-683-01	SPRING, COMPRESSION	
125	4-978-682-01	COVER (CURSOR)	
126	4-978-135-01	INDICATOR (BAND)	
127	4-978-121-11	BUTTON (BAND)	
128	4-978-136-01	INDICATOR (ENTER)	
129	4-978-167-01	BUTTON (PRO LOGIC)	
130	4-978-123-01	BUTTON (FU)	
131	4-978-681-01	INDICATOR (SE5)	
132	4-978-124-11	BUTTON (DOLBY)	
133	4-978-120-01	BUTTON (TUNING) (D670AV/N555AV:E,AUS,PX,MX,AR)	
133	4-978-120-11	BUTTON (TUNING)(N555AV:AEP,UK,G,IT)	
134	4-979-017-01	INDICATOR (SW)(N555AV)	
135	4-978-166-01	BUTTON (SUPER-W)(N555AV)	
136	4-978-161-01	INDICATOR (PAUSE)	
137	4-978-144-01	BUTTON (DUBBING) (D670AV/N555AV:AEP,UK,G,IT)	
137	4-978-144-11	BUTTON (DUBBING)(N555AV:E,AUS,PX,MX,AR)	
138	4-978-147-01	BUTTON (EJECT-R)	
139	4-980-061-01	SPRING (OPEN)	
140	4-978-130-01	BUTTON (OPEN)	
141	4-978-128-01	BUTTON (PLAY)	

6-4. CHASSIS SECTION



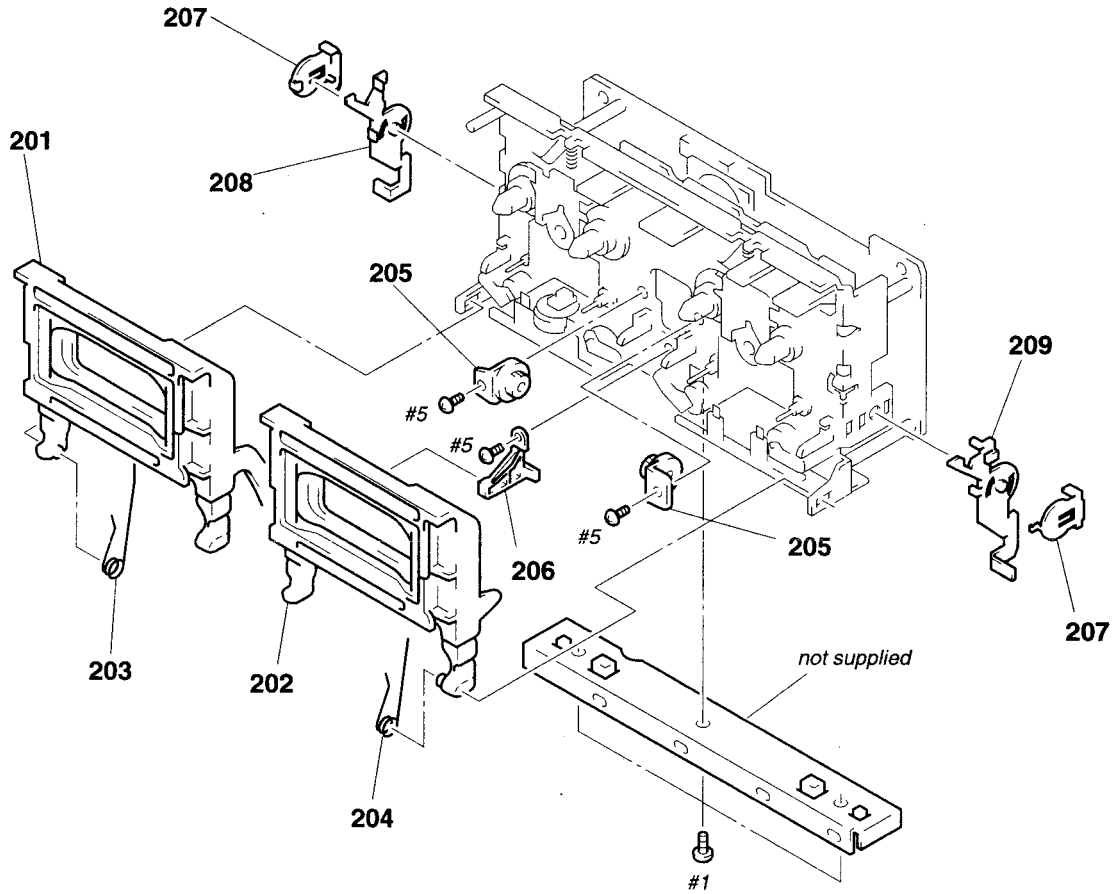
The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety.
Replace only with part number specified.

Les composants identifiés par une marque ⚠ sont critiques pour la sécurité.
Ne les remplacer que par une piéce portant le numéro spécifié.

Ref. No.	Part No.	Description	Remark
* 151	3-701-946-26	LABEL, FUSE RATING (D670AV)	
151	3-701-946-27	LABEL, FUSE RATING (D670AV)	
* 152	1-659-218-11	TRANS BOARD (D670AV)	
* 152	1-660-805-11	TRANS BOARD (D555AV)	
* 153	A-4389-604-A	POWER AMP BOARD, COMPLETE (D670AV)	
* 153	A-4389-617-A	POWER AMP BOARD, COMPLETE (N555AV:E,AUS,PX,MX,AR)	
* 153	A-4389-625-A	POWER AMP BOARD, COMPLETE (N555AV:AEP,UK,G,IT)	
* 154	3-703-244-00	BUSHING (2104), CORD (D670AV/N555AV:AEP,UK,G,IT,AUS,AR)	
154	4-966-266-01	BUSHING (S)(FBS002), CORD (N555AV:E,PX,MX)	
* 155	A-4389-608-A	S.WOOFER BOARD, COMPLETE (N555AV:E,AUS,PX,MX,AR)	
* 155	A-4389-627-A	S.WOOFER BOARD, COMPLETE (N555AV:AEP,UK,G,IT)	
156	1-751-688-11	WIRE (FLAT TYPE)(13 CORE) (D670AV/N555AV:E,AUS,PX,MX,AR)	
156	1-773-011-11	WIRE (FLAT TYPE)(15 CORE)(N555AV:AEP,UK,G,IT)	
157	1-777-046-11	WIRE (FLAT TYPE)(19CORE)	
158	1-765-338-11	WIRE (FLAT TYPE)(21 CORE)	
159	1-769-949-11	WIRE (FLAT TYPE)(11 CORE)	
160	1-590-578-11	WIRE (FLAT TYPE)(19 CORE) (D670AV/N555AV:AEP,UK,G,IT)	
160	1-773-153-11	WIRE (FLAT TYPE)(21 CORE) (N555AV:E,AUS,PX,MX,AR)	

Ref. No.	Part No.	Description	Remark
* 161	A-4389-602-A	MAIN BOARD, COMPLETE (D670AV)	
* 161	A-4389-615-A	MAIN BOARD, COMPLETE (N555AV:E,MX,AR)	
* 161	A-4389-622-A	MAIN BOARD, COMPLETE (N555AV:AEP,UK)	
* 161	A-4389-894-A	MAIN BOARD, COMPLETE (N555AV:AUS,PX)	
* 161	A-4390-010-A	MAIN BOARD, COMPLETE (N555AV:G,IT)	
162	1-569-007-11	ADAPTER, CONVERSION 2P (N555AV:PX)	
162	1-569-008-11	ADAPTER, CONVERSION 2P (N555AV:AR)	
⚠CNP1601	1-558-943-51	CORD, POWER (N555AV:E,PX,MX)	
⚠CNP1601	1-575-042-21	CORD, POWER (D670AV)	
⚠CNP1601	1-575-651-21	CORD, POWER (N555AV:AEP,G,IT,AR)	
⚠CNP1601	1-696-845-11	CORD, POWER (N555AV:AUS)	
⚠CNP1601	1-751-522-11	CORD, POWER (N555AV:UK)	
⚠F1601	1-532-506-31	FUSE, TIME LAG (6.3A 250V) (N555AV)	
⚠F1602	1-532-506-31	FUSE, TIME LAG (6.3A 250V) (N555AV)	
⚠F1603	1-532-504-31	FUSE, TIME LAG (4A, 250V)(N555AV:E,PX,MX,AR)	
⚠F1603	1-533-420-11	FUSE, GLASS CYLINDRICAL (DIA.5)(5A, 125V) (D670AV:US)	
⚠F1603	1-533-419-11	FUSE, GLASS CYLINDRICAL (DIA.5)(4A, 125V) (D670AV:CND)	
⚠F1604	1-532-465-31	FUSE, TIME LAG (3.15A 250V) (N555AV:AEP,UK,G,IT,E,AUS,PX,AR)	
⚠T1601	1-429-338-11	TRANSFORMER, POWER (N555AV:AEP,UK,G,IT)	
⚠T1601	1-429-339-11	TRANSFORMER, POWER (D670AV)	
⚠T1601	1-429-340-11	TRANSFORMER, POWER (N555AV:E,AUS,PX,MX,AR)	

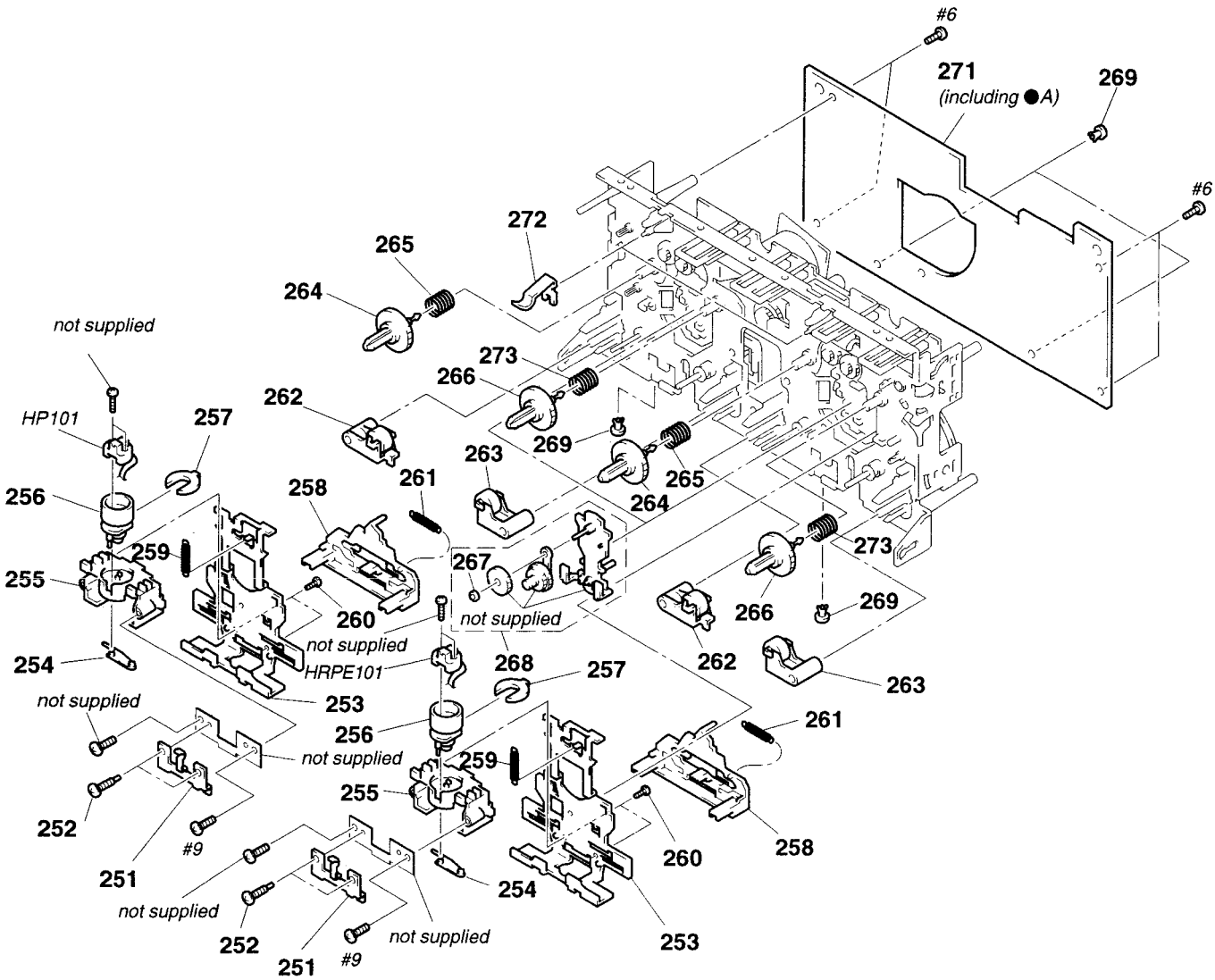
6-5. TC MECHANISM SECTION 1
(TCM-220WR2E)



Ref. No.	Part No.	Description	Remark
201	X-4943-776-1	HOLDER (L) ASSY, CASSETTE	
202	X-4943-775-1	HOLDER (R) ASSY, CASSETTE	
203	4-959-231-11	SPRING (L), TORSION	
204	4-959-232-11	SPRING (R), TORSION	
205	3-354-963-01	DAMPER	

Ref. No.	Part No.	Description	Remark
* 206	3-908-611-01	FULCRUM, HOLDER	
207	3-354-957-01	JOINT (LOCK LEVER)	
* 208	3-354-953-01	LEVER (LOCK LEVER L)	
* 209	3-354-954-01	LEVER (LOCK LEVER R)	

6-6. TC MECHANISM SECTION 2 (TCM-220WR2E)

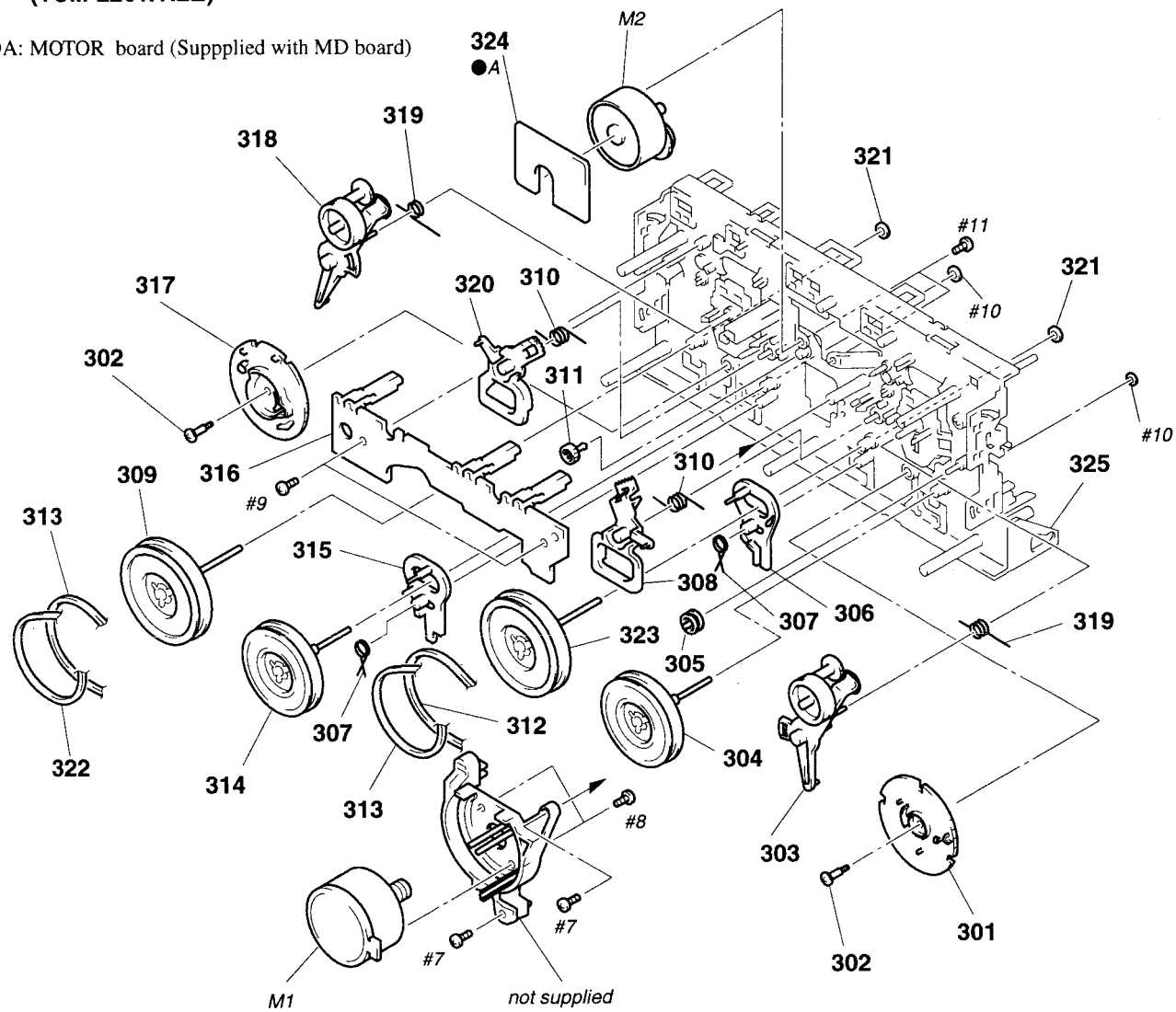


Ref. No.	Part No.	Description	Remark
251	3-908-560-01	SPRING, AZIMUTH ADJUSTMENT	
252	3-919-684-01	SCREW, AZIMUTH ADJUSTMENT	
* 253	X-3367-584-2	SLIDER (HEAD) ASSY	
254	3-908-556-01	SPRING, HEAD TOGGLE	
255	3-908-558-02	FITTING BLOCK, HEAD	
256	3-908-557-02	ROTARY BLOCK, HEAD	
* 257	3-908-559-01	STOPPER, AZIMUTH	
258	3-908-555-01	SLIDER (REV SLIDER)	
259	3-917-143-11	SPRING, TENSION	
260	3-388-848-01	SCREW (P2X6)(B TIGHT)	
261	3-911-113-01	SPRING, TENSION	
262	X-3370-643-1	PINCH LEVER (REV) ASSY	

Ref. No.	Part No.	Description	Remark
263	X-3367-588-1	PINCH LEVER (FWD) ASSY	
264	3-908-613-01	GEAR (S), REEL	
265	3-917-141-01	SPRING, COMPRESSION	
266	X-3371-305-1	REEL (T) ASSY	
267	3-669-465-01	WASHER (1.5), STOPPER	
268	X-3370-173-1	TU ASSY	
269	3-911-116-21	RIVET, PUSH	
* 271	A-2007-435-A	MD BOARD, COMPLETE	
272	3-930-972-01	DETENT, HALF	
273	3-917-142-01	SPRING, COMPRESSION	
HP101	1-500-093-11	HEAD, MAGNETIC (PLAYBACK)	
HRPE101	1-500-094-11	HEAD, MAGNETIC (REC/PB/ERASE)	

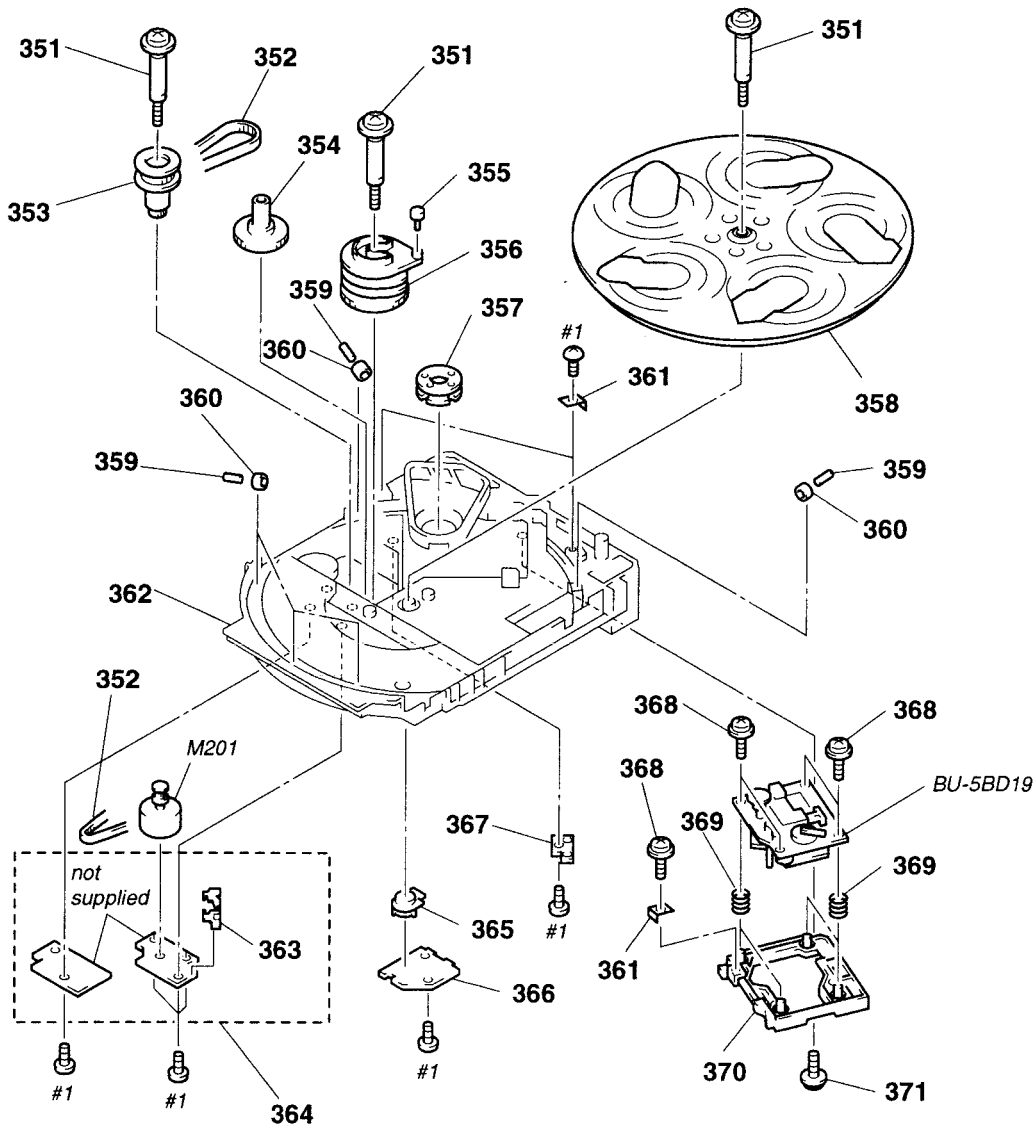
6-7. TC MECHANISM SECTION 3 (TCM-220WR2E)

●A: MOTOR board (Suppplied with MD board)



Ref. No.	Part No.	Description	Remark
301	3-908-597-01	CAM (A)	
302	3-908-608-11	SCREW, STEP	
303	X-3367-590-2	ARM (A) ASSY, FR	
304	X-3370-169-1	FLYWHEEL (AR) ASSY	
305	3-928-047-01	PULLEY, TENSION	
306	3-908-599-01	LEVER (REV-A)	
307	3-908-601-01	SPRING (REV LEVER), TORSION	
308	3-908-603-01	LEVER (TRIGGER A)	
309	X-3370-170-1	FLYWHEEL (BF) ASSY	
310	3-908-605-01	SPRING (TRIGGER), TORSION	
311	3-908-609-01	GEAR, TRIGGER	
312	3-913-845-11	BELT (A)	
313	3-913-846-11	BELT (FR)	
314	X-3370-171-1	FLYWHEEL (BR) ASSY	
315	3-908-600-01	LEVER (REV-B)	
* 316	1-650-669-11	LEAF SWITCH BOARD	
317	3-908-598-01	CAM (B)	
318	X-3369-849-2	ARM (B) ASSY, FR	
319	3-914-111-01	SPRING (FR), TORSION	
320	3-908-604-01	LEVER (TRIGGER B)	
321	3-911-115-01	WASHER, STOPPER	
322	3-917-176-11	BELT (B)	
323	X-3370-172-1	FLYWHEEL (AF) ASSY	
* 324	A-2007-435-A	MD BOARD, COMPLETE	
325	X-3371-441-1	CHASSIS ASSY, MECHANICAL	
M1	X-3371-223-1	MOTOR ASSY (CAPSTAN)	
M2	A-2004-410-A	MOTOR ASSY (TRIGGER)	

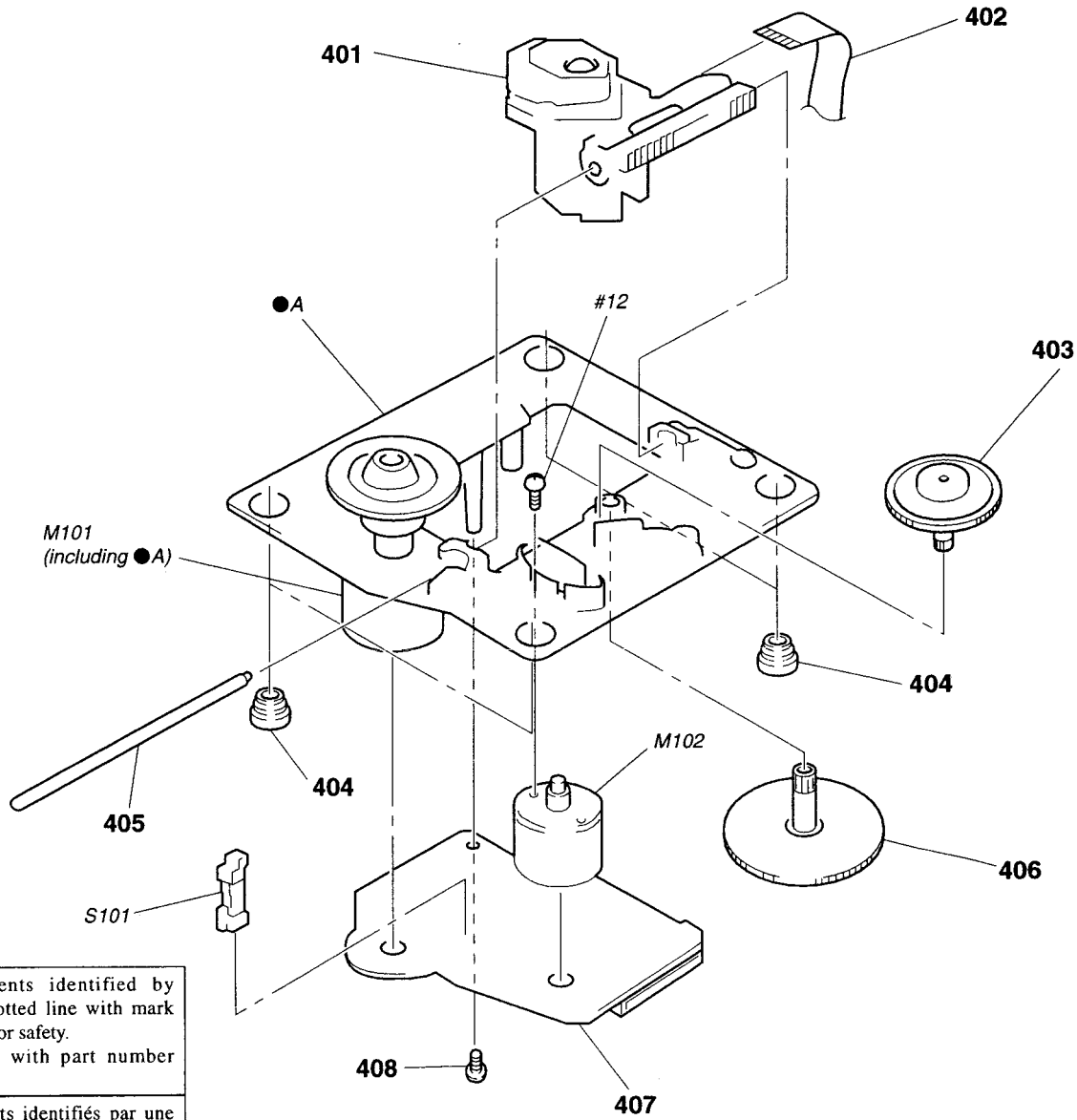
6-8. CD MECHANISM SECTION (CDM37-5BD19)



Ref. No.	Part No.	Description	Remark
351	4-978-423-01	SCREW, STEP	
352	4-944-490-01	BELT (TIMING)	
353	A-4660-978-A	GEAR (PULLEY) ASSY	
354	4-978-421-01	GEAR (MID)	
355	4-978-425-01	ROLLER (CAM)	
356	4-978-420-01	CAM (HOLDER)	
* 357	1-452-538-11	MAGNET	
358	4-978-417-01	TABLE, DISC	
359	4-934-376-01	SHAFT (ROLLER)	
360	X-4924-457-1	ROLLER ASSY	
* 361	4-978-583-01	BRACKET (BU)	

Ref. No.	Part No.	Description	Remark
* 362	4-978-418-01	CHASSIS	
* 363	4-980-385-01	HOLDER (SW)	
* 364	A-4673-765-A	CD MOTOR BOARD, COMPLETE	
365	4-978-426-01	INDICATOR (NO.)	
* 366	1-659-059-13	LED BOARD	
* 367	1-659-058-13	TABLE SENSOR BOARD	
368	4-933-134-01	SCREW (+PTPWH M2.6X6)	
369	4-958-593-01	SPRING (BU), COMPRESSION	
* 370	4-978-419-01	HOLDER (BU-5)	
371	4-917-583-71	BRACKET, YOKE	
M201	A-4660-977-A	MOTOR ASSY (TABLE)	

6-9. BASE UNIT SECTION (BU-5BD19)



The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety.
Replace only with part number specified.

Les composants identifiés par une marque ⚠ sont critiques pour la sécurité.
Ne les remplacer que par une piéce portant le numéro spécifié.

Ref. No.	Part No.	Description	Remark
⚠401	8-848-387-01	OPTICAL PICK-UP KSS-213BA/S-N	
402	1-769-069-11	WIRE (FLAT TYPE)(16 CORE)	
403	4-917-567-01	GEAR (M)	
404	4-951-940-01	INSULATOR (BU)	
405	4-917-565-01	SHAFT, SLED	
406	4-917-564-01	GEAR (P), FLATNESS	

Ref. No.	Part No.	Description	Remark
* 407	A-4673-402-A	BD BOARD, COMPLETE	
408	4-951-620-01	SCREW (2.6X8), +BVTP	
M101	X-4917-523-4	MOTOR ASSY (SPINDLE)	
M102	X-4917-504-1	MOTOR ASSY (SLED)	
S101	1-572-085-11	SWITCH, LEAF (LIMIT)	

BD

SECTION 7
ELECTRICAL PARTS LIST

Note:

The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety.
Replace only with part number specified.

Les composants identifiés par une marque ⚠ sont critiques pour la sécurité.
Ne les remplacer que par une piéce portant le numéro spécifié.

When indicating parts by reference number, please include the board name.

- Due to standardization, replacements in the parts list may be different from the parts specified in the diagrams or the components used on the set.
- -XX, -X mean standardized parts, so they may have some difference from the original one.
- Items marked "*" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- RESISTORS
  All resistors are in ohms
  METAL: Metal-film resistor
  METAL OXIDE: Metal Oxide-film resistor
  F : nonflammable
- SEMICONDUCTORS
  In each case, u: μ , for example:
  uA...: μ A..., uPA...: μ PA..., uPB...: μ PB..., uPC...: μ PC..., uPD...: μ PD...
- CAPACITORS
  uF : μ F
- COILS
  uH : μ H
- Abbreviation
  CND : Canadian model
  G : German model
  IT : Italian model
  MX : Mexican model
  AUS : Australian model
  AR : Argentine

Ref. No.	Part No.	Description			Remark
*	A-4673-402-A	BD BOARD, COMPLETE **********			
		< CAPACITOR >			
C101	1-126-607-11	ELECT CHIP	47uF	20%	4V
C102	1-163-275-11	CERAMIC CHIP	0.001uF	5%	50V
C103	1-164-346-11	CERAMIC CHIP	1uF		16V
C105	1-163-038-91	CERAMIC CHIP	0.1uF		25V
C106	1-164-695-11	CERAMIC CHIP	0.0022uF	5%	50V
C107	1-164-695-11	CERAMIC CHIP	0.0022uF	5%	50V
C108	1-164-232-11	CERAMIC CHIP	0.01uF		50V
C109	1-164-232-11	CERAMIC CHIP	0.01uF		50V
C110	1-163-989-11	CERAMIC CHIP	0.033uF	10%	25V
C111	1-163-038-91	CERAMIC CHIP	0.1uF		25V
C112	1-163-038-91	CERAMIC CHIP	0.1uF		25V
C113	1-164-695-11	CERAMIC CHIP	0.0022uF	5%	50V
C114	1-164-005-11	CERAMIC CHIP	0.47uF		25V
C115	1-126-607-11	ELECT CHIP	47uF	20%	4V
C116	1-163-016-00	CERAMIC CHIP	0.0039uF	10%	50V
C117	1-164-005-11	CERAMIC CHIP	0.47uF		25V
C118	1-107-823-11	CERAMIC CHIP	0.47uF	10%	16V
C119	1-163-038-91	CERAMIC CHIP	0.1uF		25V
C120	1-135-201-11	TANTALUM CHIP	10uF	20%	4V
C121	1-163-038-91	CERAMIC CHIP	0.1uF		25V
C122	1-164-232-11	CERAMIC CHIP	0.01uF		50V
C123	1-163-038-91	CERAMIC CHIP	0.1uF		25V
C124	1-126-607-11	ELECT CHIP	47uF	20%	4V
C125	1-164-232-11	CERAMIC CHIP	0.01uF		50V
C126	1-163-038-91	CERAMIC CHIP	0.1uF		25V
C127	1-164-695-11	CERAMIC CHIP	0.0022uF	5%	50V
C128	1-163-135-00	CERAMIC CHIP	560PF	5%	50V
C129	1-163-038-91	CERAMIC CHIP	0.1uF		25V
C130	1-164-336-11	CERAMIC CHIP	0.33uF		25V
C131	1-163-038-91	CERAMIC CHIP	0.1uF		25V
C132	1-163-037-11	CERAMIC CHIP	0.022uF	10%	25V
C133	1-163-145-00	CERAMIC CHIP	0.0015uF	5%	50V
C134	1-164-346-11	CERAMIC CHIP	1uF		16V
C135	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C136	1-164-005-11	CERAMIC CHIP	0.47uF		25V
C137	1-164-232-11	CERAMIC CHIP	0.01uF		50V
C139	1-163-235-11	CERAMIC CHIP	22PF	5%	50V
C140	1-163-235-11	CERAMIC CHIP	22PF	5%	50V
C141	1-163-038-91	CERAMIC CHIP	0.1uF		25V
C142	1-163-038-91	CERAMIC CHIP	0.1uF		25V
C145	1-135-201-11	TANTALUM CHIP	10uF	20%	4V
C146	1-135-201-11	TANTALUM CHIP	10uF	20%	4V
C147	1-163-275-11	CERAMIC CHIP	0.001uF	5%	50V
C148	1-163-275-11	CERAMIC CHIP	0.001uF	5%	50V
C149	1-164-346-11	CERAMIC CHIP	1uF		16V
C153	1-135-259-11	TANTAL. CHIP	10uF	20%	6.3V
C154	1-163-235-11	CERAMIC CHIP	22PF	5%	50V
		< CONNECTOR >			
CNU101	1-770-014-11	CONNECTOR, FFC/FPC 16P			
CNU102	1-770-013-11	CONNECTOR, FFC/FPC 19P			
		< IC >			
IC101	8-752-069-56	IC CXA1782BQ			
IC102	8-759-291-06	IC BA6397FP			
IC103	8-752-372-94	IC CXD2507AQ			
IC104	8-759-185-29	IC PCM1710U-B			
		< MOTOR >			
M101	X-4917-523-4	MOTOR ASSY (SPINDLE)			
M102	X-4917-504-1	MOTOR ASSY (SLED)			
		< TRANSISTOR >			
Q101	8-729-010-08	TRANSISTOR MSB710-R			
Q102	8-729-424-08	TRANSISTOR UN2111			
Q103	8-729-421-22	TRANSISTOR UN2211			
		< RESISTOR >			
R102	1-216-001-00	METAL CHIP	10	5%	1/10W
R103	1-216-049-91	METAL GLAZE	1K	5%	1/10W
R104	1-216-097-91	METAL GLAZE	100K	5%	1/10W
R105	1-216-093-00	METAL CHIP	68K	5%	1/10W
R106	1-216-093-00	METAL CHIP	68K	5%	1/10W
R107	1-216-093-00	METAL CHIP	68K	5%	1/10W
R108	1-216-093-00	METAL CHIP	68K	5%	1/10W
R109	1-216-097-91	METAL GLAZE	100K	5%	1/10W
R112	1-216-083-00	METAL CHIP	27K	5%	1/10W
R113	1-216-083-00	METAL CHIP	27K	5%	1/10W
R114	1-216-101-00	METAL CHIP	150K	5%	1/10W
R115	1-216-101-00	METAL CHIP	150K	5%	1/10W
R116	1-216-061-00	METAL CHIP	3.3K	5%	1/10W

BD CD (L) CD (R)

Ref. No.	Part No.	Description				Remark
R117	1-216-069-00	METAL CHIP	6.8K	5%	1/10W	
R118	1-216-049-91	METAL GLAZE	1K	5%	1/10W	
R119	1-216-089-91	METAL GLAZE	47K	5%	1/10W	
R120	1-216-089-91	METAL GLAZE	47K	5%	1/10W	
R121	1-216-114-00	METAL GLAZE	510K	5%	1/10W	
R122	1-216-097-91	METAL GLAZE	100K	5%	1/10W	
R123	1-216-099-00	METAL CHIP	120K	5%	1/10W	
R124	1-216-091-00	METAL CHIP	56K	5%	1/10W	
R125	1-216-069-00	METAL CHIP	6.8K	5%	1/10W	
R126	1-216-063-91	METAL GLAZE	3.9K	5%	1/10W	
R127	1-216-089-91	METAL GLAZE	47K	5%	1/10W	
R128	1-216-105-91	METAL GLAZE	220K	5%	1/10W	
R129	1-216-049-91	METAL GLAZE	1K	5%	1/10W	
R130	1-216-079-00	METAL CHIP	18K	5%	1/10W	
R131	1-216-079-00	METAL CHIP	18K	5%	1/10W	
R132	1-216-061-00	METAL CHIP	3.3K	5%	1/10W	
R133	1-216-061-00	METAL CHIP	3.3K	5%	1/10W	
R134	1-216-065-00	METAL CHIP	4.7K	5%	1/10W	
R135	1-216-065-00	METAL CHIP	4.7K	5%	1/10W	
R136	1-216-073-00	METAL CHIP	10K	5%	1/10W	
R137	1-216-065-00	METAL CHIP	4.7K	5%	1/10W	
R138	1-216-049-91	METAL GLAZE	1K	5%	1/10W	
R139	1-216-033-00	METAL CHIP	220	5%	1/10W	
R140	1-216-081-00	METAL CHIP	22K	5%	1/10W	
R141	1-216-061-00	METAL CHIP	3.3K	5%	1/10W	
R142	1-216-061-00	METAL CHIP	3.3K	5%	1/10W	
R143	1-216-121-91	METAL GLAZE	1M	5%	1/10W	
R144	1-216-073-00	METAL CHIP	10K	5%	1/10W	
R145	1-216-097-91	METAL GLAZE	100K	5%	1/10W	
R146	1-216-097-91	METAL GLAZE	100K	5%	1/10W	
R147	1-216-049-91	METAL GLAZE	1K	5%	1/10W	
R148	1-216-049-91	METAL GLAZE	1K	5%	1/10W	
R149	1-216-049-91	METAL GLAZE	1K	5%	1/10W	
R150	1-216-037-00	METAL CHIP	330	5%	1/10W	
R151	1-216-037-00	METAL CHIP	330	5%	1/10W	
R152	1-216-037-00	METAL CHIP	330	5%	1/10W	
R153	1-216-082-00	METAL GLAZE	24K	5%	1/10W	
R154	1-216-065-00	METAL CHIP	4.7K	5%	1/10W	
R156	1-216-085-00	METAL CHIP	33K	5%	1/10W	
R157	1-216-069-00	METAL CHIP	6.8K	5%	1/10W	
R158	1-216-001-00	METAL CHIP	10	5%	1/10W	
		< VARIABLE RESISTOR >				
RV101	1-241-396-11	RES, ADJ, METAL GLAZE 22K				
RV102	1-241-396-11	RES, ADJ, METAL GLAZE 22K				
RV103	1-241-396-11	RES, ADJ, METAL GLAZE 22K				
		< SWITCH >				
S101	1-572-085-11	SWITCH, LEAF (LIMIT)				

Ref. No.	Part No.	Description				Remark
		< VIBRATOR >				
X101	1-579-280-11	VIBRATOR, CRYSTAL (16.9344MHz)				
**********						
*	1-659-404-11	CD (L) BOARD				
		**********				
		< CONNECTOR >				
* CN515	1-568-944-11	PIN, CONNECTOR 6P				
		< DIODE >				
D638	8-719-057-09	DIODE LNJ801LPDJA (CLIP C)				
D639	8-719-057-09	DIODE LNJ801LPDJA (CLIP B)				
D640	8-719-057-09	DIODE LNJ801LPDJA (CLIP A)				
		< RESISTOR >				
R568	1-247-815-91	CARBON	220	5%	1/4W	
R569	1-249-411-11	CARBON	330	5%	1/4W	
R570	1-249-413-11	CARBON	470	5%	1/4W	F
R571	1-249-415-11	CARBON	680	5%	1/4W	F
R572	1-249-417-11	CARBON	1K	5%	1/4W	F
R573	1-249-419-11	CARBON	1.5K	5%	1/4W	F
R574	1-249-421-11	CARBON	2.2K	5%	1/4W	F
R575	1-249-423-11	CARBON	3.3K	5%	1/4W	F
R576	1-249-427-11	CARBON	6.8K	5%	1/4W	F
R577	1-249-431-11	CARBON	15K	5%	1/4W	
		< SWITCH >				
S569	1-554-303-21	SWITCH, TACTILE (CLIP C)				
S570	1-554-303-21	SWITCH, TACTILE (CLIP B)				
S571	1-554-303-21	SWITCH, TACTILE (CLIP A)				
S572	1-554-303-21	SWITCH, TACTILE (ERASE MUSIC CLIP)				
S573	1-554-303-21	SWITCH, TACTILE (PLAY MUSIC CLIP)				
S574	1-554-303-21	SWITCH, TACTILE (DISC 1 DISC SELECT)				
S575	1-554-303-21	SWITCH, TACTILE (DISC 2 DISC SELECT)				
S576	1-554-303-21	SWITCH, TACTILE (DISC 3 DISC SELECT)				
S577	1-554-303-21	SWITCH, TACTILE (DISC 4 DISC SELECT)				
S578	1-554-303-21	SWITCH, TACTILE (DISC 5 DISC SELECT)				
**********						
*	1-659-409-11	CD (R) BOARD				
		**********				
		< CONNECTOR >				
CN514	1-568-936-11	PIN, CONNECTOR 9P				
		< DIODE >				
D603	8-719-058-03	DIODE SEL5423E-TP15 (▷)				
D604	8-719-058-03	DIODE SEL5423E-TP15 (▷)				
D636	8-719-058-17	DIODE LNJ401NPYJA (▯▯)				

CD (R) CD JOG CD LED CD MOTOR DOOR SW

Ref. No.	Part No.	Description				Remark
D637	8-719-057-09	DIODE LNJ801LPDJA (AUTO PLAY)				
		< RESISTOR >				
R553	1-249-411-11	CARBON	330	5%	1/4W	
R554	1-249-413-11	CARBON	470	5%	1/4W	F
R555	1-249-415-11	CARBON	680	5%	1/4W	F
R556	1-249-417-11	CARBON	1K	5%	1/4W	F
R557	1-249-419-11	CARBON	1.5K	5%	1/4W	F
R678	1-247-815-91	CARBON	220	5%	1/4W	
R680	1-247-815-91	CARBON	220	5%	1/4W	
		< SWITCH >				
S554	1-554-303-21	SWITCH, TACTILE (▷)				
S555	1-554-303-21	SWITCH, TACTILE (□)				
S556	1-554-303-21	SWITCH, TACTILE (▯▯)				
S557	1-554-303-21	SWITCH, TACTILE (DISC SKIP)				
S558	1-554-303-21	SWITCH, TACTILE (AUTO PLAY)				
**********						
*	1-659-405-11	CD JOG BOARD				
		**********				
		< CAPACITOR >				
C515	1-162-306-11	CERAMIC	0.01uF	30%	16V	
C516	1-162-306-11	CERAMIC	0.01uF	30%	16V	
		< CONNECTOR >				
* CN518	1-568-942-11	PIN, CONNECTOR 4P				
		< RESISTOR >				
R558	1-249-421-11	CARBON	2.2K	5%	1/4W	F
R559	1-249-423-11	CARBON	3.3K	5%	1/4W	F
R560	1-249-427-11	CARBON	6.8K	5%	1/4W	F
R561	1-249-431-11	CARBON	15K	5%	1/4W	
		< SWITCH >				
S502	1-473-534-11	ENCODER, ROTARY (⏮ AMS ⏭)				
S559	1-554-303-21	SWITCH, TACTILE (PROGRAM)				
S560	1-554-303-21	SWITCH, TACTILE (REPEAT)				
S561	1-554-303-21	SWITCH, TACTILE (SHUFFLE)				
S562	1-554-303-21	SWITCH, TACTILE (CONTINUE)				
**********						
*	1-659-406-11	CD LED BOARD				
		**********				
		< CONNECTOR >				
CN516	1-506-481-11	PIN, CONNECTOR 2P				
		< DIODE >				
D3151	8-719-057-40	DIODE HLMF-K305-2UL (5CD)				
D3152	8-719-058-19	DIODE HLMF-K405-2UL (5CD)				
D3153	8-719-058-19	DIODE HLMF-K405-2UL (5CD)				
D3154	8-719-057-40	DIODE HLMF-K305-2UL (5CD)				
		< RESISTOR >				
R3151	1-249-412-11	CARBON	390	5%	1/4W	F
**********						
*	A-4673-765-A	CD MOTOR BOARD, COMPLETE				
		**********				
*	4-980-385-01	HOLDER (SW)				
		< CAPACITOR >				
C201	1-124-907-11	ELECT	10uF	20%	50V	
C202	1-164-159-21	CERAMIC	0.1uF		50V	
C203	1-124-907-11	ELECT	10uF	20%	50V	
		< CONNECTOR >				
* CN201	1-568-947-11	PIN, CONNECTOR 9P				
		< IC >				
IC201	8-759-365-94	IC TA8409S				
		< COIL >				
L201	1-408-117-00	INDUCTOR 10uH				
		< MOTOR >				
M201	A-4660-977-A	MOTOR ASSY (TABLE)				
		< RESISTOR >				
R205	1-249-427-11	CARBON	6.8K	5%	1/4W	F
R206	1-249-425-11	CARBON	4.7K	5%	1/4W	F
		< SWITCH >				
S201	1-762-587-11	SWITCH, PUSH (1 KEY)(UP)				
**********						
*	1-659-408-11	DOOR SW BOARD				
		**********				
		< CAPACITOR >				
C591	1-164-159-21	CERAMIC	0.1uF		50V	
		< CONNECTOR >				
* CN519	1-506-481-11	PIN, CONNECTOR 2P				

DOOR SW **HP** **LEAF SWITCH** **LED** **MAIN**

Ref. No.	Part No.	Description				Remark
		< SWITCH >				
S591	1-572-126-11	SWITCH, PUSH (1 KEY)(⏏ OPEN)				
**********						
*	1-659-411-11	HP BOARD ********				
		< CAPACITOR >				
C621	1-162-294-31	CERAMIC	1000PF		50V (N555AV:AEP,UK,G,IT)	
C622	1-162-294-31	CERAMIC	1000PF		50V (N555AV:AEP,UK,G,IT)	
C623	1-164-159-21	CERAMIC	0.1uF		50V	
C624	1-164-159-21	CERAMIC	0.1uF		50V	
		< JACK >				
J601	1-569-113-11	JACK, LARGE TYPE (PHONES)				
**********						
*	1-650-669-11	LEAF SWITCH BOARD **********				
		< CONNECTOR >				
* CN1001	1-568-854-11	SOCKET, CONNECTOR 11P				
		< TRANSISTOR >				
Q1001	8-749-010-90	TRANSISTOR PHOTO REFLECTOR NJL5165KA-H2				
Q1002	8-749-010-90	TRANSISTOR PHOTO REFLECTOR NJL5165KA-H2				
		< RESISTOR >				
R1001	1-247-818-11	CARBON	300	5%	1/4W	
R1002	1-247-820-11	CARBON	360	5%	1/4W	
R1003	1-249-414-11	CARBON	560	5%	1/4W	F
R1004	1-247-834-11	CARBON	1.3K	5%	1/4W	
R1005	1-247-818-11	CARBON	300	5%	1/4W	
		< SWITCH >				
S1001	1-692-832-11	SWITCH, PUSH (1 KEY)(A PLAY)				
S1002	1-692-832-11	SWITCH, PUSH (1 KEY)(B PLAY)				
S1003	1-572-248-11	SWITCH, LEAF (A HALF)				
S1004	1-571-281-21	SWITCH, LEAF (A CrO2)				
S1005	1-571-281-21	SWITCH, LEAF (REC A)				
S1006	1-572-248-11	SWITCH, LEAF (B HALF)				
S1008	1-571-281-21	SWITCH, LEAF (B CrO2)				
S1009	1-571-281-21	SWITCH, LEAF (REC B)				
**********						

Ref. No.	Part No.	Description				Remark
*	1-659-059-13	LED BOARD *********				
		< DIODE >				
D201	8-719-032-98	DIODE SEL5820A (DISC No.)				
		< TRANSISTOR >				
Q201	8-729-119-78	TRANSISTOR 2SC2785-HFE				
		< RESISTOR >				
R201	1-247-863-91	CARBON	22K	5%	1/4W	
R202	1-249-411-11	CARBON	330	5%	1/4W	
R203	1-249-437-11	CARBON	47K	5%	1/4W	
**********						
*	A-4389-602-A	MAIN BOARD, COMPLETE (D670AV) **********				
*	A-4389-615-A	MAIN BOARD, COMPLETE (N555AV:E,MX,AR) **********				
*	A-4389-622-A	MAIN BOARD, COMPLETE (N555AV:AEP,UK) **********				
*	A-4389-894-A	MAIN BOARD, COMPLETE (N555AV:AUS,PX) **********				
*	A-4390-010-A	MAIN BOARD, COMPLETE (N555AV:G,IT) **********				
	7-685-646-79	SCREW +BVTP 3X8 TYPE2 N-S				
		< CAPACITOR >				
C201	1-124-925-11	ELECT	2.2uF	20%	100V	
C202	1-130-479-00	MYLAR	0.0047uF	5%	50V	
C203	1-126-925-11	ELECT	470uF	20%	10V	
C211	1-124-925-11	ELECT	2.2uF	20%	100V	
C212	1-130-479-00	MYLAR	0.0047uF	5%	50V	
C250	1-162-306-11	CERAMIC	0.01uF	20%	16V (N555AV:AEP,UK,G,IT)	
C251	1-164-035-11	CERAMIC	47PF	5%	50V (N555AV:AEP,UK,G,IT)	
C252	1-102-527-11	CERAMIC	82PF	5%	50V (N555AV:AEP,UK,G,IT)	
C253	1-162-291-31	CERAMIC	560PF	10%	50V (N555AV:AEP,UK,G,IT)	
C254	1-162-306-11	CERAMIC	0.01uF	20%	16V (N555AV:AEP,UK,G,IT)	
C255	1-162-288-31	CERAMIC	330PF	10%	50V (N555AV:AEP,UK,G,IT)	
C256	1-124-925-11	ELECT	2.2uF	20%	100V (N555AV:AEP,UK,G,IT)	
C257	1-126-964-11	ELECT	10uF	20%	50V (N555AV:AEP,UK,G,IT)	

MAIN

Ref. No.	Part No.	Description				Remark
C258	1-162-291-31	CERAMIC	560PF	10%	50V	
						(N555AV:AEP,UK,G,IT)
C259	1-126-964-11	ELECT	10uF	20%	50V	
						(N555AV:AEP,UK,G,IT)
C260	1-164-159-21	CERAMIC	0.1uF		50V	
						(N555AV:AEP,UK,G,IT)
C261	1-126-967-11	ELECT	47uF	20%	16V	
						(N555AV:AEP,UK,G,IT)
C263	1-162-294-31	CERAMIC	0.001uF	10%	50V	
C301	1-130-479-00	MYLAR	0.0047uF	5%	50V	
C302	1-162-290-31	CERAMIC	470PF	10%	50V	
C303	1-136-165-00	FILM	0.1uF	5%	50V	
						(D670AV/N555AV:AEP,UK,G,IT)
C305	1-124-903-11	ELECT	1uF	20%	50V	
C306	1-124-902-00	ELECT	0.47uF	20%	50V	
C307	1-126-964-11	ELECT	10uF	20%	50V	
C308	1-126-964-11	ELECT	10uF	20%	50V	
C309	1-124-903-11	ELECT	1uF	20%	50V	
C310	1-126-933-11	ELECT	100uF	20%	10V	
C351	1-130-479-00	MYLAR	0.0047uF	5%	50V	
C352	1-162-290-31	CERAMIC	470PF	10%	50V	
C353	1-136-165-00	FILM	0.1uF	5%	50V	
						(D670AV/N555AV:AEP,UK,G,IT)
C355	1-124-903-11	ELECT	1uF	20%	50V	
C356	1-124-902-00	ELECT	0.47uF	20%	50V	
C357	1-126-964-11	ELECT	10uF	20%	50V	
C358	1-126-964-11	ELECT	10uF	20%	50V	
C359	1-124-903-11	ELECT	1uF	20%	50V	
C360	1-126-933-11	ELECT	100uF	20%	10V	
C401	1-164-159-21	CERAMIC	0.1uF		50V	
C402	1-164-159-21	CERAMIC	0.1uF		50V	
C403	1-164-159-21	CERAMIC	0.1uF		50V	
C404	1-126-933-11	ELECT	100uF	20%	16V	
C701	1-162-282-31	CERAMIC	100PF	10%	50V	
C702	1-126-926-11	ELECT	1000uF	20%	10V	
C703	1-126-964-11	ELECT	10uF	20%	50V	
C704	1-136-165-00	FILM	0.1uF	5%	50V	
C705	1-136-165-00	FILM	0.1uF	5%	50V	
C706	1-126-965-11	ELECT	22uF	20%	50V	
C707	1-162-204-31	CERAMIC	16PF	5%	50V	
C708	1-162-204-31	CERAMIC	16PF	5%	50V	
C710	1-164-159-21	CERAMIC	0.1uF		50V	
C711	1-164-159-21	CERAMIC	0.1uF		50V	
C715	1-162-294-31	CERAMIC	0.001uF	10%	50V	
C801	1-162-288-31	CERAMIC	330PF	10%	50V	
C803	1-162-282-31	CERAMIC	100PF	10%	50V	
C804	1-162-282-31	CERAMIC	100PF	10%	50V	
C805	1-126-963-11	ELECT	4.7uF	20%	50V	
						(D670AV/N555AV:AEP,UK,G,IT)
C805	1-124-925-11	ELECT	2.2uF	20%	100V	
						(N555AV:E,AUS,PX,MX,AR)
C806	1-130-479-00	MYLAR	0.0047uF	5%	50V	

Ref. No.	Part No.	Description				Remark
C807	1-130-473-00	MYLAR	0.0015uF	5%	50V	
C808	1-126-956-91	ELECT	0.1uF	20%	50V	
C809	1-126-967-11	ELECT	47uF	20%	10V	
C810	1-162-306-11	CERAMIC	0.01uF	30%	16V	
C811	1-162-306-11	CERAMIC	0.01uF	30%	16V	
C812	1-162-306-11	CERAMIC	0.01uF	30%	16V	
C813	1-162-306-11	CERAMIC	0.01uF	30%	16V	
C814	1-162-306-11	CERAMIC	0.01uF	30%	16V	
C821	1-162-286-21	CERAMIC	220PF	10%	50V	
C825	1-109-889-11	ELECT	1uF	20%	50V	
C827	1-162-306-11	CERAMIC	0.01uF	30%	16V	
C828	1-162-306-11	CERAMIC	0.01uF	30%	16V	
C829	1-162-292-31	CERAMIC	680PF	10%	50V	
C830	1-126-964-11	ELECT	10uF	20%	50V	
C831	1-162-286-21	CERAMIC	220PF	10%	50V	
C850	1-162-306-11	CERAMIC	0.01uF	30%	16V	
C851	1-162-288-31	CERAMIC	330PF	10%	50V	
C853	1-162-282-31	CERAMIC	100PF	10%	50V	
C854	1-162-282-31	CERAMIC	100PF	10%	50V	
C855	1-126-963-11	ELECT	4.7uF	20%	50V	
						(D670AV/N555AV:AEP,UK,G,IT)
C855	1-124-925-11	ELECT	2.2uF	20%	100V	
						(N555AV:E,AUS,PX,MX,AR)
C856	1-130-479-00	MYLAR	0.0047uF	5%	50V	
C857	1-130-473-00	MYLAR	0.0015uF	5%	50V	
C858	1-126-956-91	ELECT	0.1uF	20%	50V	
C859	1-126-967-11	ELECT	47uF	20%	10V	
C864	1-162-306-11	CERAMIC	0.01uF	30%	16V	
C871	1-162-286-21	CERAMIC	220PF	10%	50V	
C875	1-162-294-31	CERAMIC	0.001uF	10%	50V	
						(N555AV:E,AUS,PX,MX,AR)
C901	1-124-464-11	ELECT	0.22uF	20%	50V	
C902	1-124-464-11	ELECT	0.22uF	20%	50V	
C903	1-136-495-11	FILM	0.068uF	5%	50V	
C904	1-136-495-11	FILM	0.068uF	5%	50V	
C905	1-136-156-00	FILM	0.018uF	5%	50V	
C906	1-136-156-00	FILM	0.018uF	5%	50V	
C907	1-130-480-00	MYLAR	0.0056uF	5%	50V	
C908	1-130-479-00	MYLAR	0.0047uF	5%	50V	
C909	1-130-474-00	MYLAR	0.0018uF	5%	50V	
C910	1-126-964-11	ELECT	10uF	20%	50V	
C911	1-126-964-11	ELECT	10uF	20%	50V	
C912	1-136-169-00	FILM	0.22uF	5%	50V	
C913	1-136-169-00	FILM	0.22uF	5%	50V	
C914	1-126-964-11	ELECT	10uF	20%	50V	
C915	1-136-154-00	FILM	0.012uF	5%	50V	
C930	1-136-167-00	FILM	0.15uF	5%	50V	
C931	1-130-471-00	MYLAR	0.001uF	5%	50V	
C934	1-126-933-11	ELECT	100uF	20%	10V	
C935	1-164-159-21	CERAMIC	0.1uF		50V	
C937	1-126-964-11	ELECT	10uF	20%	50V	

Ref. No.	Part No.	Description				Remark
C938	1-162-286-21	CERAMIC	220PF	10%	50V	
C939	1-162-306-11	CERAMIC	0.01uF	30%	16V	
C941	1-162-306-11	CERAMIC	0.01uF	30%	16V	
C942	1-126-933-11	ELECT	100uF	20%	10V	
C943	1-162-306-11	CERAMIC	0.01uF	30%	16V	
C944	1-126-964-11	ELECT	10uF	20%	50V	
C945	1-126-964-11	ELECT	10uF	20%	50V	
C947	1-162-306-11	CERAMIC	0.01uF	30%	16V	
C948	1-126-964-11	ELECT	10uF	20%	50V	
C951	1-124-464-11	ELECT	0.22uF	20%	50V	
C952	1-124-464-11	ELECT	0.22uF	20%	50V	
C953	1-136-495-11	FILM	0.068uF	5%	50V	
C954	1-136-495-11	FILM	0.068uF	5%	50V	
C955	1-136-156-00	FILM	0.018uF	5%	50V	
C956	1-136-156-00	FILM	0.018uF	5%	50V	
C957	1-130-480-00	MYLAR	0.0056uF	5%	50V	
C958	1-130-479-00	MYLAR	0.0047uF	5%	50V	
C959	1-130-474-00	MYLAR	0.0018uF	5%	50V	
C960	1-126-964-11	ELECT	10uF	20%	50V	
C961	1-126-964-11	ELECT	10uF	20%	50V	
C962	1-136-169-00	FILM	0.22uF	5%	50V	
C963	1-136-169-00	FILM	0.22uF	5%	50V	
C964	1-126-964-11	ELECT	10uF	20%	50V	
C965	1-136-154-00	FILM	0.012uF	5%	50V	
C1001	1-126-969-11	ELECT	6800uF	20%	25V	
C1002	1-126-943-11	ELECT	2200uF	20%	25V	
C1004	1-126-925-11	ELECT	470uF	20%	10V	
C1005	1-126-964-11	ELECT	10uF	20%	50V	
C1006	1-126-933-11	ELECT	100uF	20%	10V	
C1007	1-126-933-11	ELECT	100uF	20%	10V	
C1008	1-126-952-11	ELECT	1000uF	20%	16V	
C1009	1-162-294-31	CERAMIC	0.001uF	10%	50V	
C1010	1-164-159-21	CERAMIC	0.1uF		50V	
C1011	1-164-159-21	CERAMIC	0.1uF		50V	
C1012	1-126-964-11	ELECT	10uF	20%	50V	
C1013	1-126-916-11	ELECT	1000uF	20%	6.3V	
C1014	1-164-159-21	CERAMIC	0.1uF		50V	
C1015	1-164-159-21	CERAMIC	0.1uF		50V	
C1016	1-126-925-11	ELECT	470uF	20%	10V	
C1017	1-126-925-11	ELECT	470uF	20%	10V	
C1018	1-126-943-11	ELECT	2200uF	20%	25V	
C1019	1-126-934-11	ELECT	220uF	20%	16V	
C1020	1-126-947-11	ELECT	47uF	20%	35V	
C1021	1-162-294-31	CERAMIC	1000PF	10%	50V	
C1022	1-126-969-11	ELECT	220uF	20%	50V	
C1023	1-126-969-11	ELECT	220uF	20%	50V	
C1024	1-126-964-11	ELECT	10uF	20%	50V	
C1025	1-126-964-11	ELECT	10uF	20%	50V	
C1026	1-126-952-11	ELECT	1000uF	20%	16V	
C1101	1-136-167-00	FILM	0.15uF	5%	50V	
C1102	1-136-167-00	FILM	0.15uF	5%	50V	

Ref. No.	Part No.	Description				Remark
C1103	1-126-962-11	ELECT	3.3uF	20%	50V	
C1104	1-126-962-11	ELECT	3.3uF	20%	50V	
C1105	1-136-167-00	FILM	0.15uF	5%	50V	
C1106	1-136-167-00	FILM	0.15uF	5%	50V	
C1107	1-126-963-11	ELECT	4.7uF	20%	50V	
C1108	1-126-963-11	ELECT	4.7uF	20%	50V	
C1109	1-124-902-00	ELECT	0.47uF	20%	50V	
C1110	1-124-902-00	ELECT	0.47uF	20%	50V	
C1111	1-126-963-11	ELECT	4.7uF	20%	50V	
C1112	1-126-963-11	ELECT	4.7uF	20%	50V	
C1113	1-124-902-00	ELECT	0.47uF	20%	50V	
C1114	1-124-902-00	ELECT	0.47uF	20%	50V	
C1115	1-136-165-00	FILM	0.1uF	5%	50V	
C1116	1-136-165-00	FILM	0.1uF	5%	50V	
C1117	1-136-165-00	FILM	0.1uF	5%	50V	
C1118	1-136-165-00	FILM	0.1uF	5%	50V	
C1119	1-126-964-11	ELECT	10uF	20%	50V	
C1120	1-126-964-11	ELECT	10uF	20%	50V	
C1121	1-126-923-11	ELECT	220uF	20%	10V	
C1122	1-126-964-11	ELECT	10uF	20%	50V	
C1123	1-126-964-11	ELECT	10uF	20%	50V	
C1124	1-126-964-11	ELECT	10uF	20%	50V	
C1125	1-126-964-11	ELECT	10uF	20%	50V	
C1126	1-126-923-11	ELECT	220uF	20%	10V	
C1127	1-136-161-00	FILM	0.047uF	5%	50V	
C1128	1-136-157-00	FILM	0.022uF	5%	50V	
C1129	1-162-292-31	CERAMIC	680PF	10%	50V	
C1130	1-126-933-11	ELECT	100uF	20%	10V	
C1131	1-162-306-11	CERAMIC	0.01uF	30%	16V	
C1132	1-126-964-11	ELECT	10uF	20%	50V	
C1133	1-136-173-00	FILM	0.47uF	5%	50V	
C1134	1-104-664-11	ELECT	47uF	20%	25V	
C1135	1-130-467-00	MYLAR	470PF	5%	50V	
C1136	1-130-467-00	MYLAR	470PF	5%	50V	
C1137	1-162-306-11	CERAMIC	0.01uF	30%	16V	
C1138	1-162-306-11	CERAMIC	0.01uF	30%	16V	
C1141	1-126-964-11	ELECT	10uF	20%	50V	
C1142	1-136-159-00	FILM	0.033uF	5%	50V	
C1143	1-162-306-11	CERAMIC	0.01uF	30%	16V	
C1144	1-126-933-11	ELECT	100uF	20%	10V	
C1145	1-124-925-11	ELECT	2.2uF	20%	100V	
C1146	1-162-286-21	CERAMIC	220PF	10%	50V	
C1147	1-162-306-11	CERAMIC	0.01uF	30%	16V	
C1148	1-126-923-11	ELECT	220uF	20%	10V	
C1149	1-136-159-00	FILM	0.033uF	5%	50V	
C1150	1-130-473-00	MYLAR	0.0015uF	5%	50V	
C1151	1-136-159-00	FILM	0.033uF	5%	50V	
C1152	1-124-903-11	ELECT	1uF	20%	50V	
C1153	1-126-923-11	ELECT	220uF	20%	10V	
C1154	1-126-964-11	ELECT	10uF	20%	50V	
C1155	1-126-964-11	ELECT	10uF	20%	50V	

MAIN

Ref. No.	Part No.	Description			Remark
C1156	1-126-964-11	ELECT	10uF	20%	50V
C1157	1-162-306-11	CERAMIC	0.01uF	30%	16V
C1158	1-162-286-21	CERAMIC	220PF	10%	50V
C1160	1-126-964-11	ELECT	10uF	20%	50V
C1161	1-162-294-31	CERAMIC	0.001uF	10%	50V
C1162	1-126-964-11	ELECT	10uF	20%	50V
C1163	1-162-294-31	CERAMIC	0.001uF	10%	50V
C1164	1-126-964-11	ELECT	10uF	20%	50V
C1165	1-126-964-11	ELECT	10uF	20%	50V
C1166	1-126-964-11	ELECT	10uF	20%	50V
C1167	1-126-964-11	ELECT	10uF	20%	50V
C1168	1-162-286-21	CERAMIC	220PF	10%	50V
C1169	1-109-889-11	ELECT	1uF	20%	50V
C1178	1-162-294-31	CERAMIC	0.001uF	10%	50V
C9001	1-162-306-11	CERAMIC	0.01uF	30%	16V
C9003	1-162-294-31	CERAMIC	0.001uF	10%	50V
C9004	1-162-294-31	CERAMIC	0.001uF	10%	50V
C9005	1-162-282-31	CERAMIC	100PF	10%	50V
C9006	1-164-159-21	CERAMIC	0.1uF		50V
C9007	1-162-294-31	CERAMIC	0.001uF	10%	50V
C9008	1-162-294-31	CERAMIC	0.001uF	10%	50V
		< CONNECTOR >			
CN201	1-770-067-11	CONNECTOR, FFC/FPC 19P			
* CN203	1-568-936-21	PIN, CONNECTOR 9P			
* CN250	1-568-832-11	SOCKET, CONNECTOR 13P (D670AV/N555AV:E,AUS,PX,MX,AR)			
* CN250	1-568-834-11	SOCKET, CONNECTOR 15P (N555AV:AEP,UK,G,IT)			
CN401	1-568-838-11	SOCKET, CONNECTOR 21P			
* CN402	1-568-830-11	SOCKET, CONNECTOR 11P			
* CN403	1-568-449-11	HOUSING,CONNECTOR(PC BOARD)3P			
CN701	1-568-802-11	SOCKET, CONNECTOR 19P (D670AV/N555AV:AEP,UK,G,IT)			
* CN701	1-568-838-11	SOCKET, CONNECTOR 21P (N555AV:E,AUS,PX,MX,AR)			
* CN1101	1-770-734-11	CONNECTOR, BOARD TO BOARD 20P			
CN1102	1-691-768-11	PLUG (MICRO CONNECTOR) 6P			
		< DIODE >			
D201	8-719-987-63	DIODE 1N4148M			
D202	8-719-987-63	DIODE 1N4148M			
D251	8-719-987-63	DIODE 1N4148M (N555AV:AEP,UK,G,IT)			
D401	8-719-933-54	DIODE HZS9A2L			
D701	8-719-987-63	DIODE 1N4148M			
D702	8-719-987-63	DIODE 1N4148M			
D703	8-719-987-63	DIODE 1N4148M			
D704	8-719-987-63	DIODE 1N4148M			
D705	8-719-987-63	DIODE 1N4148M			
D706	8-719-200-82	DIODE 11ES2			
D707	8-719-987-63	DIODE 1N4148M			
D708	8-719-987-63	DIODE 1N4148M			

Ref. No.	Part No.	Description	Remark
D711	8-719-200-82	DIODE 11ES2	
D901	8-719-987-63	DIODE 1N4148M	
D902	8-719-987-63	DIODE 1N4148M	
D1001	8-719-200-82	DIODE 11ES2	
D1002	8-719-200-82	DIODE 11ES2	
D1003	8-719-028-23	DIODE D3SBA20-4101	
D1007	8-719-987-63	DIODE 1N4148M	
D1008	8-719-001-43	DIODE UZL-11M1-TA	
D1009	8-719-987-63	DIODE 1N4148M	
D1010	8-719-987-63	DIODE 1N4148M	
D1011	8-719-010-43	DIODE UZ-5.6BSC	
D1012	8-719-934-22	DIODE HZS30-2L	
D1013	8-719-200-82	DIODE 11ES2	
D1014	8-719-200-82	DIODE 11ES2	
D1015	8-719-200-82	DIODE 11ES2	
D1016	8-719-200-82	DIODE 11ES2	
D1017	8-719-200-82	DIODE 11ES2	
D1018	8-719-200-82	DIODE 11ES2	
D1019	8-719-200-82	DIODE 11ES2	
		< GROUND TERMINAL >	
EPT902	1-537-770-21	TERMINAL BOARD, GROUND	
		< IC >	
IC250	8-759-169-99	IC SAA6579 (N555AV:AEP,UK,G,IT)	
IC251	8-759-634-51	IC M5218AP (N555AV:AEP,UK,G,IT)	
IC401	8-759-289-38	IC HA12195NT (D670AV/N555AV:AEP,UK,G,IT)	
IC401	8-759-289-39	IC HA12196NT (N555AV:E,AUS,PX,MX,AR)	
IC402	8-759-822-09	IC LB1641	
IC701	8-759-392-42	IC TMP87CS64YF-6397	
IC702	8-759-165-80	IC PST600C-T	
IC801	8-759-634-51	IC M5218AP	
IC802	8-759-000-48	IC MC14052BCP	
IC803	8-759-140-53	IC UPD4053BC	
IC805	8-759-634-51	IC M5218AP	
IC901	8-759-331-39	IC M62427FP	
IC902	8-759-634-51	IC M5218AP	
IC1001	8-759-231-53	IC TA7805S	
IC1002	8-759-604-86	IC M5F7807L	
IC1003	8-759-604-86	IC M5F7807L	
IC1004	8-759-604-90	IC M5F7907L	
IC1101	8-759-248-74	IC LA2785	
IC1102	8-759-341-23	IC LV1011	
IC1103	8-759-634-51	IC M5218AP	
IC1104	8-759-281-42	IC TC9210P	
		< JACK >	
J801	1-695-188-31	JACK, PIN 4P (PHONO, VIDEO (AUDIO) IN)	

Ref. No.	Part No.	Description	Remark
		< COIL >	
L250	1-410-521-11	INDUCTOR 100uH (N555AV:AEP,UK,G,IT)	
L701	1-410-509-11	INDUCTOR 10uH	
L702	1-410-509-11	INDUCTOR 10uH	
L703	1-410-509-11	INDUCTOR 10uH	
L704	1-410-509-11	INDUCTOR 10uH	
L1101	1-410-509-11	INDUCTOR 10uH	
L1102	1-410-509-11	INDUCTOR 10uH	
L1104	1-410-509-11	INDUCTOR 10uH	
		< TRANSISTOR >	
Q301	8-729-119-78	TRANSISTOR 2SC403SP-51	
Q351	8-729-119-78	TRANSISTOR 2SC403SP-51	
Q401	8-729-119-78	TRANSISTOR 2SC403SP-51	
Q402	8-729-900-65	TRANSISTOR DTA144ES	
Q403	8-729-801-93	TRANSISTOR 2SD1387	
Q406	8-729-900-80	TRANSISTOR DTC114ES	
Q407	8-729-422-57	TRANSISTOR UN4111	
Q408	8-729-119-76	TRANSISTOR 2SA1175-HFE	
Q409	8-729-900-80	TRANSISTOR DTC114ES	
Q410	8-729-900-65	TRANSISTOR DTA144ES	
Q411	8-729-900-65	TRANSISTOR DTA144ES	
Q412	8-729-900-65	TRANSISTOR DTA144ES	
Q701	8-729-119-78	TRANSISTOR 2SC403SP-51	
Q820	8-729-422-57	TRANSISTOR UN4111	
Q821	8-729-141-26	TRANSISTOR 2SC3622A-LK	
Q822	8-729-141-26	TRANSISTOR 2SC3622A-LK	
Q823	8-729-422-57	TRANSISTOR UN4111	
Q824	8-729-900-80	TRANSISTOR DTC114ES	
Q830	8-729-141-26	TRANSISTOR 2SC3622A-LK	
Q901	8-729-119-78	TRANSISTOR 2SC403SP-51	
Q902	8-729-119-78	TRANSISTOR 2SC403SP-51	
Q951	8-729-119-78	TRANSISTOR 2SC403SP-51	
Q952	8-729-119-78	TRANSISTOR 2SC403SP-51	
Q953	8-729-141-26	TRANSISTOR 2SC3622A-LK	
Q954	8-729-141-26	TRANSISTOR 2SC3622A-LK	
Q1001	8-729-118-01	TRANSISTOR 2SB1116	
Q1002	8-729-900-36	TRANSISTOR DTC124ES	
Q1003	8-729-021-82	TRANSISTOR 2SD2396K	
Q1006	8-729-118-01	TRANSISTOR 2SB1116	
Q1101	8-729-141-26	TRANSISTOR 2SC3622A-LK	
Q1102	8-729-141-26	TRANSISTOR 2SC3622A-LK	
		< RESISTOR >	
R201	1-249-415-11	CARBON 680 5% 1/4W	F
R202	1-249-435-11	CARBON 33K 5% 1/4W	
R211	1-249-415-11	CARBON 680 5% 1/4W	F
R212	1-249-435-11	CARBON 33K 5% 1/4W	
R250	1-249-421-11	CARBON 2.2K 5% 1/4W	F (N555AV:AEP,UK,G,IT)
R251	1-249-401-11	CARBON 47 5% 1/4W	F (N555AV:AEP,UK,G,IT)
R252	1-249-441-11	CARBON 100K 5% 1/4W	(N555AV:AEP,UK,G,IT)
R253	1-249-441-11	CARBON 100K 5% 1/4W	(N555AV:AEP,UK,G,IT)
R254	1-249-426-11	CARBON 5.6K 5% 1/4W	(N555AV:AEP,UK,G,IT)
R255	1-249-429-11	CARBON 10K 5% 1/4W	(N555AV:AEP,UK,G,IT)
R256	1-247-807-31	CARBON 100 5% 1/4W	(N555AV:AEP,UK,G,IT)
R301	1-249-430-11	CARBON 12K 5% 1/4W	
R302	1-249-431-11	CARBON 15K 5% 1/4W	
R303	1-249-432-11	CARBON 18K 5% 1/4W	(D670AV/N555AV:AEP,UK,G,IT)
R304	1-249-428-11	CARBON 8.2K 5% 1/4W	F
R305	1-249-425-11	CARBON 4.7K 5% 1/4W	F
R306	1-247-840-00	CARBON 2.4K 5% 1/4W	
R307	1-247-863-91	CARBON 22K 5% 1/4W	
R308	1-249-421-11	CARBON 2.2K 5% 1/4W	F
R309	1-249-428-11	CARBON 8.2K 5% 1/4W	F
R310	1-249-417-11	CARBON 1K 5% 1/4W	F
R351	1-249-430-11	CARBON 12K 5% 1/4W	
R352	1-249-431-11	CARBON 15K 5% 1/4W	
R354	1-249-428-11	CARBON 8.2K 5% 1/4W	F
R355	1-249-425-11	CARBON 4.7K 5% 1/4W	F
R356	1-247-840-00	CARBON 2.4K 5% 1/4W	
R357	1-247-863-91	CARBON 22K 5% 1/4W	
R358	1-249-421-11	CARBON 2.2K 5% 1/4W	F
R359	1-249-428-11	CARBON 8.2K 5% 1/4W	F
R360	1-249-417-11	CARBON 1K 5% 1/4W	F
R401	1-249-425-11	CARBON 4.7K 5% 1/4W	F
R402	1-249-425-11	CARBON 4.7K 5% 1/4W	F
R403	1-249-425-11	CARBON 4.7K 5% 1/4W	F
R404	1-249-417-11	CARBON 1K 5% 1/4W	F
R405	1-249-437-11	CARBON 47K 5% 1/4W	
R406	1-249-437-11	CARBON 47K 5% 1/4W	
R407	1-249-437-11	CARBON 47K 5% 1/4W	
R408	1-249-437-11	CARBON 47K 5% 1/4W	
R409	1-249-429-11	CARBON 10K 5% 1/4W	
R410	1-247-882-11	CARBON 130K 5% 1/4W	
R411	1-247-866-11	CARBON 30K 5% 1/4W	
R412	1-249-429-11	CARBON 10K 5% 1/4W	(D670AV/N555AV:AEP,UK,G,IT)
R413	1-247-864-11	CARBON 24K 5% 1/4W	
R414	1-249-429-11	CARBON 10K 5% 1/4W	
R415	1-249-429-11	CARBON 10K 5% 1/4W	
R416	1-249-429-11	CARBON 10K 5% 1/4W	
R417	1-249-429-11	CARBON 10K 5% 1/4W	
R418	1-249-429-11	CARBON 10K 5% 1/4W	
R419	1-249-429-11	CARBON 10K 5% 1/4W	

MAIN

Ref. No.	Part No.	Description				Remark
R420	1-249-429-11	CARBON	10K	5%	1/4W	(D670AV/N555AV:AEP,UK,G,IT)
R421	1-249-429-11	CARBON	10K	5%	1/4W	(D670AV/N555AV:AEP,UK,G,IT)
R454	1-247-863-91	CARBON	22K	5%	1/4W	
R455	1-247-863-91	CARBON	22K	5%	1/4W	
R456	1-249-411-11	CARBON	330	5%	1/4W	
R457	1-249-427-11	CARBON	6.8K	5%	1/4W	F
R458	1-249-429-11	CARBON	10K	5%	1/4W	
R461	1-249-417-11	CARBON	1K	5%	1/4W	F
R701	1-249-429-11	CARBON	10K	5%	1/4W	
R702	1-247-807-31	CARBON	100	5%	1/4W	(N555AV)
R703	1-249-429-11	CARBON	10K	5%	1/4W	
R705	1-249-429-11	CARBON	10K	5%	1/4W	
R706	1-247-807-31	CARBON	100	5%	1/4W	
R707	1-249-429-11	CARBON	10K	5%	1/4W	
R709	1-249-429-11	CARBON	10K	5%	1/4W	
R711	1-249-429-11	CARBON	10K	5%	1/4W	
R714	1-249-429-11	CARBON	10K	5%	1/4W	
R718	1-247-807-31	CARBON	100	5%	1/4W	
R719	1-247-807-31	CARBON	100	5%	1/4W	
R720	1-247-807-31	CARBON	100	5%	1/4W	
R721	1-247-807-31	CARBON	100	5%	1/4W	
R722	1-247-807-31	CARBON	100	5%	1/4W	(N555AV:AEP,UK,G,IT)
R723	1-247-807-31	CARBON	100	5%	1/4W	(N555AV:AEP,UK,G,IT)
R724	1-247-807-31	CARBON	100	5%	1/4W	
R725	1-247-807-31	CARBON	100	5%	1/4W	
R726	1-247-807-31	CARBON	100	5%	1/4W	
R727	1-247-807-31	CARBON	100	5%	1/4W	
R728	1-247-807-31	CARBON	100	5%	1/4W	
R729	1-247-807-31	CARBON	100	5%	1/4W	
R730	1-247-807-31	CARBON	100	5%	1/4W	
R731	1-247-807-31	CARBON	100	5%	1/4W	
R732	1-247-807-31	CARBON	100	5%	1/4W	
R733	1-247-807-31	CARBON	100	5%	1/4W	
R734	1-247-807-31	CARBON	100	5%	1/4W	
R735	1-247-807-31	CARBON	100	5%	1/4W	
R736	1-247-807-31	CARBON	100	5%	1/4W	
R737	1-247-807-31	CARBON	100	5%	1/4W	
R738	1-249-427-11	CARBON	6.8K	5%	1/4W	F
R739	1-249-425-11	CARBON	4.7K	5%	1/4W	F
R740	1-247-863-91	CARBON	22K	5%	1/4W	(N555AV:AUS,PX)
R740	1-249-425-11	CARBON	4.7K	5%	1/4W	F (N555AV:E,MX,AR)
R740	1-249-427-11	CARBON	6.8K	5%	1/4W	F (N555AV:G,IT)
R740	1-249-429-11	CARBON	10K	5%	1/4W	(N555AV:AEP,UK)
R741	1-247-863-91	CARBON	22K	5%	1/4W	(N555AV:AUS,PX)
R741	1-249-423-11	CARBON	3.3K	5%	1/4W	F (N555AV:AEP,UK,G,IT)
R741	1-249-427-11	CARBON	6.8K	5%	1/4W	F (N555AV:E,MX,AR)
R743	1-247-807-31	CARBON	100	5%	1/4W	
R744	1-247-807-31	CARBON	100	5%	1/4W	
R745	1-247-807-31	CARBON	100	5%	1/4W	
R746	1-247-807-31	CARBON	100	5%	1/4W	
R747	1-247-807-31	CARBON	100	5%	1/4W	
R748	1-247-807-31	CARBON	100	5%	1/4W	
R749	1-247-807-31	CARBON	100	5%	1/4W	
R754	1-249-417-11	CARBON	1K	5%	1/4W	F
R756	1-247-807-31	CARBON	100	5%	1/4W	
R757	1-249-429-11	CARBON	10K	5%	1/4W	
R758	1-249-429-11	CARBON	10K	5%	1/4W	
R759	1-249-429-11	CARBON	10K	5%	1/4W	
R763	1-249-429-11	CARBON	10K	5%	1/4W	
R764	1-247-807-31	CARBON	100	5%	1/4W	
R769	1-249-437-11	CARBON	47K	5%	1/4W	
R771	1-247-807-31	CARBON	100	5%	1/4W	
R772	1-247-807-31	CARBON	100	5%	1/4W	
R773	1-247-807-31	CARBON	100	5%	1/4W	
R774	1-247-807-31	CARBON	100	5%	1/4W	
R790	1-249-429-11	CARBON	10K	5%	1/4W	
R791	1-249-437-11	CARBON	47K	5%	1/4W	
R793	1-249-437-11	CARBON	47K	5%	1/4W	
R794	1-247-807-31	CARBON	100	5%	1/4W	
R795	1-249-429-11	CARBON	10K	5%	1/4W	
R796	1-249-429-11	CARBON	10K	5%	1/4W	
R801	1-249-417-11	CARBON	1K	5%	1/4W	F
R802	1-249-417-11	CARBON	1K	5%	1/4W	F
R803	1-249-437-11	CARBON	47K	5%	1/4W	
R804	1-249-416-11	CARBON	820	5%	1/4W	F (D670AV/N555AV:AEP,UK,G,IT)
R804	1-249-419-11	CARBON	1.5K	5%	1/4W	F (N555AV:E,AUS,PX,MX,AR)
R805	1-247-897-11	CARBON	560K	5%	1/4W	
R806	1-249-437-11	CARBON	47K	5%	1/4W	
R807	1-249-417-11	CARBON	1K	5%	1/4W	F
R808	1-249-441-11	CARBON	100K	5%	1/4W	
R809	1-247-815-91	CARBON	220	5%	1/4W	
R810	1-249-417-11	CARBON	1K	5%	1/4W	F
R811	1-249-417-11	CARBON	1K	5%	1/4W	F
R821	1-249-424-11	CARBON	3.9K	5%	1/4W	F
R822	1-247-887-00	CARBON	220K	5%	1/4W	
R825	1-249-421-11	CARBON	2.2K	5%	1/4W	F
R826	1-249-441-11	CARBON	100K	5%	1/4W	
R827	1-249-421-11	CARBON	2.2K	5%	1/4W	F
R828	1-249-426-11	CARBON	5.6K	5%	1/4W	
R829	1-249-429-11	CARBON	10K	5%	1/4W	

Ref. No.	Part No.	Description				Remark
R830	1-249-441-11	CARBON	100K	5%	1/4W	
R831	1-249-437-11	CARBON	47K	5%	1/4W	
R832	1-249-423-11	CARBON	3.3K	5%	1/4W	
R833	1-249-429-11	CARBON	10K	5%	1/4W	
R835	1-249-417-11	CARBON	1K	5%	1/4W	F
R836	1-249-429-11	CARBON	10K	5%	1/4W	
R851	1-249-417-11	CARBON	1K	5%	1/4W	F
R852	1-249-417-11	CARBON	1K	5%	1/4W	F
R853	1-249-437-11	CARBON	47K	5%	1/4W	
R854	1-249-416-11	CARBON	820	5%	1/4W	F
			(D670AV/N555AV:AEP,UK,G,IT)			
R854	1-249-419-11	CARBON	1.5K	5%	1/4W	F
			(N555AV:E,AUS,PX,MX,AR)			
R855	1-247-897-11	CARBON	560K	5%	1/4W	
R856	1-249-437-11	CARBON	47K	5%	1/4W	
R857	1-249-417-11	CARBON	1K	5%	1/4W	F
R858	1-249-441-11	CARBON	100K	5%	1/4W	
R859	1-247-815-91	CARBON	220	5%	1/4W	
R870	1-249-441-11	CARBON	100K	5%	1/4W	
R871	1-249-424-11	CARBON	3.9K	5%	1/4W	F
R872	1-247-887-00	CARBON	220K	5%	1/4W	
R878	1-249-426-11	CARBON	5.6K	5%	1/4W	
R879	1-249-429-11	CARBON	10K	5%	1/4W	
R901	1-249-425-11	CARBON	4.7K	5%	1/4W	F
R902	1-249-425-11	CARBON	4.7K	5%	1/4W	F
R903	1-249-437-11	CARBON	47K	5%	1/4W	
R904	1-249-437-11	CARBON	47K	5%	1/4W	
R905	1-249-441-11	CARBON	100K	5%	1/4W	
R906	1-247-895-91	CARBON	470K	5%	1/4W	
R907	1-249-437-11	CARBON	47K	5%	1/4W	
R908	1-249-429-11	CARBON	10K	5%	1/4W	
R909	1-249-411-11	CARBON	330	5%	1/4W	
R910	1-249-429-11	CARBON	10K	5%	1/4W	
R911	1-249-421-11	CARBON	2.2K	5%	1/4W	F
R912	1-249-441-11	CARBON	100K	5%	1/4W	
R913	1-249-429-11	CARBON	10K	5%	1/4W	
R914	1-249-437-11	CARBON	47K	5%	1/4W	
R915	1-249-441-11	CARBON	100K	5%	1/4W	
R917	1-249-431-11	CARBON	15K	5%	1/4W	
R922	1-247-903-00	CARBON	1M	5%	1/4W	
R923	1-247-903-00	CARBON	1M	5%	1/4W	
R930	1-247-863-91	CARBON	22K	5%	1/4W	
R931	1-247-863-91	CARBON	22K	5%	1/4W	
R932	1-249-429-11	CARBON	10K	5%	1/4W	
R933	1-247-891-00	CARBON	330K	5%	1/4W	
R934	1-249-441-11	CARBON	100K	5%	1/4W	
R940	1-249-429-11	CARBON	10K	5%	1/4W	
R941	1-249-429-11	CARBON	10K	5%	1/4W	
R942	1-249-429-11	CARBON	10K	5%	1/4W	
R943	1-249-417-11	CARBON	1K	5%	1/4W	F
R944	1-249-417-11	CARBON	1K	5%	1/4W	F

Ref. No.	Part No.	Description				Remark
R945	1-249-417-11	CARBON	1K	5%	1/4W	F
R951	1-249-425-11	CARBON	4.7K	5%	1/4W	F
R952	1-249-425-11	CARBON	4.7K	5%	1/4W	F
R954	1-249-437-11	CARBON	47K	5%	1/4W	
R955	1-249-441-11	CARBON	100K	5%	1/4W	
R956	1-247-895-91	CARBON	470K	5%	1/4W	
R957	1-249-437-11	CARBON	47K	5%	1/4W	
R958	1-249-429-11	CARBON	10K	5%	1/4W	
R959	1-249-411-11	CARBON	330	5%	1/4W	
R960	1-249-429-11	CARBON	10K	5%	1/4W	
R961	1-249-421-11	CARBON	2.2K	5%	1/4W	F
R962	1-249-441-11	CARBON	100K	5%	1/4W	
R963	1-249-429-11	CARBON	10K	5%	1/4W	
R964	1-249-437-11	CARBON	47K	5%	1/4W	
R965	1-249-441-11	CARBON	100K	5%	1/4W	
R967	1-249-431-11	CARBON	15K	5%	1/4W	
R973	1-247-903-00	CARBON	1M	5%	1/4W	
R1001	1-249-421-11	CARBON	2.2K	5%	1/4W	F
R1002	1-247-815-91	CARBON	220	5%	1/4W	
R1003	1-249-417-11	CARBON	1K	5%	1/4W	F
R1004	1-249-417-11	CARBON	1K	5%	1/4W	F
⚠R1005	1-219-122-91	FUSIBLE	0.33	5%	1/4W	F
R1020	1-247-815-91	CARBON	220	5%	1/4W	
R1021	1-247-815-91	CARBON	220	5%	1/4W	
R1022	1-249-425-11	CARBON	4.7K	5%	1/4W	F
R1023	1-249-417-11	CARBON	1K	5%	1/4W	F
R1101	1-247-887-00	CARBON	220K	5%	1/4W	
R1102	1-247-887-00	CARBON	220K	5%	1/4W	
R1103	1-249-417-11	CARBON	1K	5%	1/4W	F
R1104	1-249-432-11	CARBON	18K	5%	1/4W	
R1105	1-249-417-11	CARBON	1K	5%	1/4W	F
R1115	1-249-441-11	CARBON	100K	5%	1/4W	
R1121	1-249-436-11	CARBON	39K	5%	1/4W	
R1122	1-249-436-11	CARBON	39K	5%	1/4W	
R1123	1-249-417-11	CARBON	1K	5%	1/4W	F
R1124	1-247-903-00	CARBON	1M	5%	1/4W	
R1125	1-249-411-11	CARBON	330	5%	1/4W	
R1126	1-249-417-11	CARBON	1K	5%	1/4W	F
R1127	1-249-417-11	CARBON	1K	5%	1/4W	F
R1128	1-249-417-11	CARBON	1K	5%	1/4W	F
R1130	1-249-425-11	CARBON	4.7K	5%	1/4W	F
R1131	1-249-425-11	CARBON	4.7K	5%	1/4W	F
R1132	1-249-441-11	CARBON	100K	5%	1/4W	
R1133	1-249-425-11	CARBON	4.7K	5%	1/4W	F
R1134	1-249-425-11	CARBON	4.7K	5%	1/4W	F
R1135	1-249-441-11	CARBON	100K	5%	1/4W	
R1136	1-249-437-11	CARBON	47K	5%	1/4W	
R1137	1-249-441-11	CARBON	100K	5%	1/4W	
R1138	1-249-441-11	CARBON	100K	5%	1/4W	
R1139	1-249-417-11	CARBON	1K	5%	1/4W	F
R1140	1-249-417-11	CARBON	1K	5%	1/4W	F

The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety. Replace only with part number specified.	Les composants identifiés par une marque ⚠ sont critiques pour la sécurité. Ne les remplacer que par une piéce portant le numéro spécifié.

MAIN **MD**

Ref. No.	Part No.	Description				Remark
R1141	1-249-417-11	CARBON	1K	5%	1/4W	F
R1142	1-249-417-11	CARBON	1K	5%	1/4W	F
R1143	1-249-417-11	CARBON	1K	5%	1/4W	F
R1144	1-249-417-11	CARBON	1K	5%	1/4W	F
R1145	1-249-429-11	CARBON	10K	5%	1/4W	
R1146	1-249-429-11	CARBON	10K	5%	1/4W	
R1150	1-249-441-11	CARBON	100K	5%	1/4W	
R1151	1-249-417-11	CARBON	1K	5%	1/4W	F
		< VARIABLE RESISTOR >				
RV301	1-238-600-11	RES, ADJ, CARBON 10K				
RV351	1-238-600-11	RES, ADJ, CARBON 10K				
		< VIBRATOR >				
X81	1-579-900-21	VIBRATOR, CRYSTAL (4,332MHz) (N555AV:AEP,UK,G,IT)				
X701	1-579-175-11	VIBRATOR, CERAMIC (10MHz)				
X702	1-567-098-41	VIBRATOR, CRYSTAL (32kHz)				
X1101	1-579-125-11	VIBRATOR, CERAMIC (320kHz)				

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*	A-2007-435-A	MD BOARD, COMPLETE				
		**********				
		(including MOTOR board)				
		MOTOR BOARD				
		< CAPACITOR >				
C301	1-162-289-31	CERAMIC	390PF	10%	50V	
C302	1-126-968-11	ELECT	100uF	20%	6.3V	
C303	1-162-282-31	CERAMIC	100PF	10%	50V	
C304	1-130-483-00	MYLAR	0.01uF	5%	50V	
C305	1-107-715-11	ELECT	22uF	20%	16V	
C311	1-162-289-31	CERAMIC	390PF	10%	50V	
C313	1-162-282-31	CERAMIC	100PF	10%	50V	
C314	1-130-487-00	MYLAR	0.022uF	5%	50V	
C315	1-126-233-11	ELECT	22uF	20%	50V	
C331	1-137-427-11	FILM	120PF	5%	50V	
C332	1-162-288-31	CERAMIC	330PF	10%	50V	
C333	1-162-209-31	CERAMIC	27PF	5%	50V	
C401	1-162-289-31	CERAMIC	390PF	10%	50V	
C402	1-126-968-11	ELECT	100uF	20%	6.3V	
C403	1-162-282-31	CERAMIC	100PF	10%	50V	
C404	1-130-483-00	MYLAR	0.01uF	5%	50V	
C405	1-107-715-11	ELECT	22uF	20%	16V	
C411	1-162-289-31	CERAMIC	390PF	10%	50V	
C413	1-162-282-31	CERAMIC	100PF	10%	50V	
C414	1-130-487-00	MYLAR	0.022uF	5%	50V	
C415	1-126-233-11	ELECT	22uF	20%	50V	
C431	1-137-427-11	FILM	120PF	5%	50V	
C432	1-162-288-31	CERAMIC	330PF	10%	50V	

Ref. No.	Part No.	Description				Remark
C433	1-162-209-31	CERAMIC	27PF	5%	50V	
C601	1-126-157-11	ELECT	10uF	20%	16V	
C602	1-126-157-11	ELECT	10uF	20%	16V	
C611	1-124-907-11	ELECT	10uF	20%	50V	
C612	1-124-907-11	ELECT	10uF	20%	50V	
C621	1-137-150-11	FILM	0.01uF	5%	100V	
C622	1-126-961-11	ELECT	2.2uF	20%	50V	
C623	1-136-155-00	FILM	0.015uF	5%	50V	
C624	1-130-481-00	MYLAR	0.0068uF	5%	50V	
C625	1-130-481-00	MYLAR	0.0068uF	5%	50V	
C627	1-124-903-11	ELECT	1uF	20%	50V	
C628	1-136-153-00	FILM	0.01uF	5%	50V	
C642	1-104-664-11	ELECT	47uF	20%	16V	
C651	1-161-494-00	CERAMIC	0.022uF		25V	
		< CONNECTOR >				
* CN601	1-568-864-11	SOCKET, CONNECTOR 21P				
* CN602	1-564-718-11	PIN, CONNECTOR (SMALL TYPE) 2P				
* CN651	1-564-521-11	PLUG, CONNECTOR 6P				
		< IC >				
IC601	8-759-710-59	IC NJM4580D-D				
IC602	8-759-143-54	IC uPC1330HA				
IC611	8-759-710-59	IC NJM4580D-D				
		< COIL >				
L331	1-410-780-11	INDUCTOR 27mH				
L431	1-410-780-11	INDUCTOR 27mH				
		< MOTOR >				
M2	X-3369-111-1	MOTOR ASSY (TRIGGER)				
		< TRANSISTOR >				
Q621	8-729-142-46	TRANSISTOR 2SC2001-LK				
Q622	8-729-142-46	TRANSISTOR 2SC2001-LK				
Q623	8-729-030-18	TRANSISTOR 2SD2525				
Q651	8-729-900-65	TRANSISTOR DTA144ES				
		< RESISTOR >				
R301	1-247-881-00	CARBON	120K	5%	1/4W	
R302	1-249-409-11	CARBON	220	5%	1/4W	F
R303	1-249-433-11	CARBON	22K	5%	1/4W	
R304	1-247-889-00	CARBON	270K	5%	1/4W	
R305	1-247-858-11	CARBON	13K	5%	1/4W	
R311	1-247-881-00	CARBON	120K	5%	1/4W	
R312	1-247-807-31	CARBON	100	5%	1/4W	
R314	1-247-882-11	CARBON	130K	5%	1/4W	
R315	1-247-850-11	CARBON	6.2K	5%	1/4W	
R331	1-249-430-11	CARBON	12K	5%	1/4W	
R401	1-247-881-00	CARBON	120K	5%	1/4W	

Ref. No.	Part No.	Description				Remark
R402	1-249-409-11	CARBON	220	5%	1/4W	F
R403	1-249-433-11	CARBON	22K	5%	1/4W	
R404	1-247-889-00	CARBON	270K	5%	1/4W	
R405	1-247-858-11	CARBON	13K	5%	1/4W	
R411	1-247-881-00	CARBON	120K	5%	1/4W	
R412	1-247-807-31	CARBON	100	5%	1/4W	
R414	1-247-882-11	CARBON	130K	5%	1/4W	
R415	1-247-850-11	CARBON	6.2K	5%	1/4W	
R431	1-249-430-11	CARBON	12K	5%	1/4W	
R601	1-249-409-11	CARBON	220	5%	1/4W	F
R602	1-249-409-11	CARBON	220	5%	1/4W	F
R608	1-249-409-11	CARBON	220	5%	1/4W	F
R609	1-249-433-11	CARBON	22K	5%	1/4W	
R611	1-249-409-11	CARBON	220	5%	1/4W	F
R612	1-249-409-11	CARBON	220	5%	1/4W	F
⚠R621	1-212-851-00	FUSIBLE	5.6	5%	1/4W	F
⚠R622	1-212-851-00	FUSIBLE	5.6	5%	1/4W	F
R623	1-249-432-11	CARBON	18K	5%	1/4W	
R624	1-249-432-11	CARBON	18K	5%	1/4W	
R625	1-249-429-11	CARBON	10K	5%	1/4W	
R651	1-247-856-00	CARBON	11K	5%	1/4W	
R652	1-247-856-00	CARBON	11K	5%	1/4W	
R653	1-249-441-11	CARBON	100K	5%	1/4W	
		< VARIABLE RESISTOR >				
RV301	1-238-598-11	RES, ADJ, CARBON 2.2K				
RV311	1-238-598-11	RES, ADJ, CARBON 2.2K				
RV341	1-238-551-11	RES, ADJ, CARBON 220K				
RV401	1-238-598-11	RES, ADJ, CARBON 2.2K				
RV411	1-238-598-11	RES, ADJ, CARBON 2.2K				
RV441	1-238-551-11	RES, ADJ, CARBON 220K				
RV651	1-238-599-11	RES, ADJ, CARBON 4.7K				
RV652	1-238-599-11	RES, ADJ, CARBON 4.7K				
		< TRANSFORMER >				
T621	1-423-980-11	TRANSFORMER, BIAS OSCILLATION				

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*	1-659-414-11	MIC BOARD (N555AV:E,AUS,PX,MX,AR)				
		**********				
		< CAPACITOR >				
C901	1-162-306-11	CERAMIC	0.01uF	30%	16V	
C903	1-162-294-31	CERAMIC	0.001uF	10%	50V	
C904	1-124-257-00	ELECT	2.2uF	20%	50V	
C905	1-162-215-31	CERAMIC	47PF	5%	50V	
C906	1-162-290-31	CERAMIC	470PF	10%	50V	
C907	1-136-160-00	FILM	0.039uF	5%	50V	
C908	1-124-257-00	ELECT	2.2uF	20%	50V	
C909	1-162-215-31	CERAMIC	47PF	5%	50V	
C910	1-162-286-21	CERAMIC	220PF	10%	50V	

Ref. No.	Part No.	Description				Remark
C911	1-126-963-11	ELECT	4.7uF	20%	50V	
C931	1-126-964-11	ELECT	10uF	20%	50V	
C941	1-126-964-11	ELECT	10uF	20%	50V	
		< IC >				
IC901	8-759-634-51	IC M5218AP				
		< JACK >				
J901	1-573-151-11	JACK, LARGE TYPE (MIC)				
		< RESISTOR >				
R900	1-249-417-11	CARBON	1K	5%	1/4W	F
R901	1-249-429-11	CARBON	10K	5%	1/4W	
R902	1-249-417-11	CARBON	1K	5%	1/4W	F
R903	1-249-441-11	CARBON	100K	5%	1/4W	
R904	1-249-417-11	CARBON	1K	5%	1/4W	F
R905	1-247-863-91	CARBON	22K	5%	1/4W	
R906	1-247-839-11	CARBON	2.2K	5%	1/4W	
R907	1-249-436-11	CARBON	39K	5%	1/4W	F
R931	1-247-887-00	CARBON	220K	5%	1/4W	
		< VARIABLE RESISTOR >				
RV901	1-223-983-11	RES, VAR, CARBON 50K (MIC LEVEL)				

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*	A-4389-610-A	PANEL BOARD, COMPLETE (D670AV)				
		**********				
*	A-4389-629-A	PANEL BOARD, COMPLETE				
		**********				
		(N555AV:AEP,UK,G,IT)				
*	A-4389-619-A	PANEL BOARD, COMPLETE				
		**********				
		(N555AV:E,AUS,PX,MX,AR)				
	4-971-014-11	HOLDER, FL TUBE				
		< CAPACITOR >				
C501	1-126-160-11	ELECT	1uF	20%	50V	
C502	1-164-159-21	CERAMIC	0.1uF		50V	
C503	1-126-160-11	ELECT	1uF	20%	50V	
C504	1-164-159-21	CERAMIC	0.1uF		50V	
C505	1-162-294-31	CERAMIC	0.001uF	10%	50V	
C506	1-124-584-00	ELECT	100uF	20%	10V	
C511	1-164-159-21	CERAMIC	0.1uF		50V	
C512	1-164-159-21	CERAMIC	0.1uF		50V	
C513	1-164-159-21	CERAMIC	0.1uF		50V	
C514	1-164-159-21	CERAMIC	0.1uF		50V	
C515	1-126-793-11	ELECT	33uF	20%	35V	
C518	1-126-157-11	ELECT	10uF	20%	16V	

The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety. Replace only with part number specified.	Les composants identifiés par une marque ⚠ sont critiques pour la sécurité. Ne les remplacer que par une piéce portant le numéro spécifié.

PANEL

Ref. No.	Part No.	Description			Remark
C519	1-164-159-21	CERAMIC	0.1uF		50V
C520	1-164-159-21	CERAMIC	0.1uF		50V
C521	1-164-159-21	CERAMIC	0.1uF		50V
C522	1-164-159-21	CERAMIC	0.1uF		50V
C523	1-126-177-11	ELECT	100uF	20%	10V
C524	1-126-177-11	ELECT	100uF	20%	10V
C545	1-162-306-11	CERAMIC	0.01uF	30%	16V
C546	1-162-306-11	CERAMIC	0.01uF	30%	16V
C547	1-126-157-11	ELECT	10uF	20%	16V
C549	1-126-177-11	ELECT	100uF	20%	10V
C601	1-126-157-11	ELECT	10uF	20%	16V (N555AV:AEP)
C3002	1-164-159-21	CERAMIC	0.1uF		50V
C3010	1-162-294-31	CERAMIC	0.001uF	10%	50V
C3034	1-124-584-00	ELECT	100uF	20%	10V
C3047	1-164-159-21	CERAMIC	0.1uF		50V
C3048	1-126-177-11	ELECT	100uF	20%	10V
C3049	1-164-159-21	CERAMIC	0.1uF		50V
C3201	1-126-163-11	ELECT	4.7uF	20%	50V
C3202	1-136-169-00	FILM	0.22uF	5%	50V
C3203	1-124-464-11	ELECT	0.22uF	20%	50V
C3211	1-126-160-11	ELECT	1uF	20%	50V
C3212	1-136-155-00	FILM	0.015uF	5%	50V
C3213	1-124-464-11	ELECT	0.22uF	20%	50V
C3221	1-136-167-00	FILM	0.15uF	5%	50V
C3222	1-162-302-11	CERAMIC	0.0022uF	30%	16V
C3223	1-124-464-11	ELECT	0.22uF	20%	50V
C3232	1-162-293-31	CERAMIC	820PF	10%	50V
C3233	1-124-464-11	ELECT	0.22uF	20%	50V
		< CONNECTOR >			
CN501	1-568-802-11	SOCKET, CONNECTOR 19P			(D670AV/N555AV:AEP,UK,G,IT)
CN501	1-568-838-11	SOCKET, CONNECTOR 21P			(N555AV:E,AUS,PX,MX,AR)
		< DIODE >			
D511	8-719-987-63	DIODE 1N4148M			
D512	8-719-987-63	DIODE 1N4148M			
D601	8-719-058-03	DIODE SEL5423E-TP15 (TUNER/BAND)			
D602	8-719-058-03	DIODE SEL5423E-TP15 (TUNER/BAND)			
D611	8-719-058-04	DIODE SEL5223S-TP15 (EFFECT)			
D612	8-719-058-04	DIODE SEL5223S-TP15 (ROCK, GAME)			
D613	8-719-058-04	DIODE SEL5223S-TP15 (POPS, DANCE)			
D614	8-719-058-04	DIODE SEL5223S-TP15 (JAZZ, STADIUM)			
D615	8-719-058-04	DIODE SEL5223S-TP15 (CLASSIC, STUDIO)			
D616	8-719-058-04	DIODE SEL5223S-TP15 (SALSA, CHURCH)			
D617	8-719-058-04	DIODE SEL5223S-TP15 (P FILE)			
D618	8-719-058-04	DIODE SEL5223S-TP15 (MORE 5)			
D619	8-719-057-09	DIODE LNJ801LPDJA (ENTER/NEXT)			
D620	8-719-058-04	DIODE SEL5223S-TP15 (SELECT 5)			
D623	8-719-058-04	DIODE SEL5223S-TP15			(ON/OFF, DOLBY SURROUND)

Ref. No.	Part No.	Description	Remark
D624	8-719-058-04	DIODE SEL5223S-TP15 (HALL)	
D625	8-719-058-04	DIODE SEL5223S-TP15 (THEATER)	
D626	8-719-058-04	DIODE SEL5223S-TP15 (LIVE)	
D627	8-719-058-04	DIODE SEL5223S-TP15 (SUPER WOOFER)	(N555AV)
D3026	8-719-987-63	DIODE 1N4148M	
D3027	8-719-987-63	DIODE 1N4148M	
D3028	8-719-987-63	DIODE 1N4148M	
D3029	8-719-987-63	DIODE 1N4148M	
D3201	8-719-987-63	DIODE 1N4148M	
D3211	8-719-987-63	DIODE 1N4148M	
D3221	8-719-987-63	DIODE 1N4148M	
D3231	8-719-987-63	DIODE 1N4148M	
D3241	8-719-987-63	DIODE 1N4148M	
D3242	8-719-987-63	DIODE 1N4148M	
		< FLUORESCENT INDICATOR >	
FL501	1-517-490-21	INDICATOR TUBU, FLUORESCENT	
		< IC >	
IC501	8-759-375-43	IC ASD0204-012-3BA	
IC502	8-759-339-53	IC GP1U28XB	
IC503	8-759-140-53	IC uPD4053BC	
IC504	8-759-916-14	IC SN74HC04AN	
		< COIL >	
L511	1-410-521-11	INDUCTOR 100uH	
		< TRANSISTOR >	
Q601	8-729-422-57	TRANSISTOR UN4111	
Q603	8-729-422-57	TRANSISTOR UN4111	
Q605	8-729-422-57	TRANSISTOR UN4111	
Q611	8-729-119-76	TRANSISTOR 2SA1175-HFE	
Q612	8-729-119-76	TRANSISTOR 2SA1175-HFE	
Q621	8-729-119-76	TRANSISTOR 2SA1175-HFE	
Q622	8-729-119-76	TRANSISTOR 2SA1175-HFE	
Q623	8-729-119-76	TRANSISTOR 2SA1175-HFE	
Q624	8-729-119-76	TRANSISTOR 2SA1175-HFE	
Q625	8-729-119-76	TRANSISTOR 2SA1175-HFE	
Q627	8-729-119-76	TRANSISTOR 2SA1175-HFE	
Q628	8-729-119-76	TRANSISTOR 2SA1175-HFE	
Q629	8-729-119-76	TRANSISTOR 2SA1175-HFE	
Q630	8-729-119-76	TRANSISTOR 2SA1175-HFE	
Q631	8-729-119-76	TRANSISTOR 2SA1175-HFE	
Q632	8-729-119-76	TRANSISTOR 2SA1175-HFE	
Q633	8-729-119-76	TRANSISTOR 2SA1175-HFE	
Q634	8-729-119-76	TRANSISTOR 2SA1175-HFE	
Q636	8-729-119-78	TRANSISTOR 2SC2785-HFE	
Q3141	8-729-900-80	TRANSISTOR DTC114ES	
Q3151	8-729-900-80	TRANSISTOR DTC114ES	
Q3152	8-729-903-02	TRANSISTOR DTA143XS	

Ref. No.	Part No.	Description				Remark
		< RESISTOR >				
R501	1-249-419-11	CARBON	1.5K	5%	1/4W	F
R502	1-249-401-11	CARBON	47	5%	1/4W	F
R503	1-249-403-11	CARBON	68	5%	1/4W	F
R504	1-247-807-31	CARBON	100	5%	1/4W	
R505	1-249-407-11	CARBON	150	5%	1/4W	F
R506	1-249-407-11	CARBON	150	5%	1/4W	F
R507	1-247-815-91	CARBON	220	5%	1/4W	
R508	1-249-411-11	CARBON	330	5%	1/4W	
R509	1-249-413-11	CARBON	470	5%	1/4W	F
R510	1-249-415-11	CARBON	680	5%	1/4W	F
R511	1-249-417-11	CARBON	1K	5%	1/4W	F
R512	1-249-419-11	CARBON	1.5K	5%	1/4W	F
R513	1-249-421-11	CARBON	2.2K	5%	1/4W	F
R514	1-249-423-11	CARBON	3.3K	5%	1/4W	F
R515	1-249-427-11	CARBON	6.8K	5%	1/4W	F
R516	1-249-431-11	CARBON	15K	5%	1/4W	F
R517	1-249-419-11	CARBON	1.5K	5%	1/4W	F
R518	1-249-401-11	CARBON	47	5%	1/4W	F
R519	1-249-403-11	CARBON	68	5%	1/4W	F
R520	1-247-807-31	CARBON	100	5%	1/4W	
R521	1-249-407-11	CARBON	150	5%	1/4W	F
R522	1-249-407-11	CARBON	150	5%	1/4W	F
R523	1-247-815-91	CARBON	220	5%	1/4W	
R524	1-249-411-11	CARBON	330	5%	1/4W	
R525	1-249-413-11	CARBON	470	5%	1/4W	F
R526	1-249-415-11	CARBON	680	5%	1/4W	F
R527	1-249-419-11	CARBON	1.5K	5%	1/4W	F
R528	1-249-401-11	CARBON	47	5%	1/4W	F
R529	1-249-403-11	CARBON	68	5%	1/4W	F
R530	1-247-807-31	CARBON	100	5%	1/4W	
R531	1-249-407-11	CARBON	150	5%	1/4W	F
R532	1-249-407-11	CARBON	150	5%	1/4W	F
R548	1-249-419-11	CARBON	1.5K	5%	1/4W	F
R549	1-247-807-31	CARBON	100	5%	1/4W	
R550	1-249-407-11	CARBON	150	5%	1/4W	F
R551	1-249-407-11	CARBON	150	5%	1/4W	F
R552	1-247-815-91	CARBON	220	5%	1/4W	
R553	1-249-429-11	CARBON	10K	5%	1/4W	
R554	1-249-441-11	CARBON	100K	5%	1/4W	
R564	1-249-419-11	CARBON	1.5K	5%	1/4W	F
R565	1-247-807-31	CARBON	100	5%	1/4W	
R566	1-249-407-11	CARBON	150	5%	1/4W	F
R567	1-249-407-11	CARBON	150	5%	1/4W	F
R586	1-247-815-91	CARBON	220	5%	1/4W	
R588	1-247-815-91	CARBON	220	5%	1/4W	
R591	1-249-403-11	CARBON	68	5%	1/4W	F
R592	1-249-401-11	CARBON	47	5%	1/4W	F
R593	1-249-403-11	CARBON	68	5%	1/4W	F
R594	1-249-401-11	CARBON	47	5%	1/4W	F
R611	1-249-429-11	CARBON	10K	5%	1/4W	

Ref. No.	Part No.	Description				Remark
R612	1-249-421-11	CARBON	2.2K	5%	1/4W	F
R613	1-249-429-11	CARBON	10K	5%	1/4W	
R614	1-249-421-11	CARBON	2.2K	5%	1/4W	F
R633	1-249-407-31	CARBON	150	5%	1/4W	
R634	1-249-407-31	CARBON	150	5%	1/4W	
R635	1-249-407-31	CARBON	150	5%	1/4W	
R636	1-249-407-31	CARBON	150	5%	1/4W	
R637	1-249-407-31	CARBON	150	5%	1/4W	
R639	1-249-407-31	CARBON	150	5%	1/4W	
R640	1-249-407-31	CARBON	150	5%	1/4W	
R641	1-249-407-11	CARBON	150	5%	1/4W	F
R642	1-247-807-31	CARBON	100	5%	1/4W	
R643	1-247-807-31	CARBON	100	5%	1/4W	
R644	1-249-407-11	CARBON	150	5%	1/4W	F
R645	1-249-407-11	CARBON	150	5%	1/4W	F
R646	1-249-407-11	CARBON	150	5%	1/4W	F
R648	1-249-425-11	CARBON	4.7K	5%	1/4W	F
R649	1-249-425-11	CARBON	4.7K	5%	1/4W	F
R650	1-249-425-11	CARBON	4.7K	5%	1/4W	F
R651	1-249-425-11	CARBON	4.7K	5%	1/4W	F
R652	1-249-425-11	CARBON	4.7K	5%	1/4W	F
R654	1-249-425-11	CARBON	4.7K	5%	1/4W	F
R655	1-249-425-11	CARBON	4.7K	5%	1/4W	F
R656	1-249-425-11	CARBON	4.7K	5%	1/4W	F
R657	1-249-425-11	CARBON	4.7K	5%	1/4W	F
R658	1-249-425-11	CARBON	4.7K	5%	1/4W	F
R659	1-249-425-11	CARBON	4.7K	5%	1/4W	F
R660	1-249-425-11	CARBON	4.7K	5%	1/4W	F
R661	1-249-425-11	CARBON	4.7K	5%	1/4W	F
R698	1-249-393-11	CARBON	10	5%	1/4W	F
R700	1-249-393-11	CARBON	10	5%	1/4W	F
R875	1-247-815-91	CARBON	220	5%	1/4W	
			(N555AV:E,AUS,PX,MX,AR)			
R3011	1-247-903-00	CARBON	1M	5%	1/4W	
R3015	1-249-429-11	CARBON	10K	5%	1/4W	
R3019	1-249-429-11	CARBON	10K	5%	1/4W	
R3020	1-249-429-11	CARBON	10K	5%	1/4W	
R3021	1-249-429-11	CARBON	10K	5%	1/4W	
R3022	1-249-429-11	CARBON	10K	5%	1/4W	
R3023	1-249-429-11	CARBON	10K	5%	1/4W	
R3024	1-249-429-11	CARBON	10K	5%	1/4W	
R3036	1-249-429-11	CARBON	10K	5%	1/4W	
R3037	1-249-429-11	CARBON	10K	5%	1/4W	
R3038	1-249-429-11	CARBON	10K	5%	1/4W	
R3041	1-249-429-11	CARBON	10K	5%	1/4W	
R3042	1-249-423-11	CARBON	3.3K	5%	1/4W	F
R3049	1-249-429-11	CARBON	10K	5%	1/4W	
R3050	1-249-429-11	CARBON	10K	5%	1/4W	
R3051	1-249-429-11	CARBON	10K	5%	1/4W	
R3052	1-249-429-11	CARBON	10K	5%	1/4W	
R3053	1-249-429-11	CARBON	10K	5%	1/4W	

PANEL | POWER AMP

Ref. No.	Part No.	Description				Remark
R3087	1-249-441-11	CARBON	100K	5%	1/4W	
R3110	1-247-807-31	CARBON	100	5%	1/4W	
R3115	1-247-807-31	CARBON	100	5%	1/4W	
R3122	1-247-807-31	CARBON	100	5%	1/4W	
R3123	1-247-807-31	CARBON	100	5%	1/4W	
R3124	1-247-807-31	CARBON	100	5%	1/4W	
R3138	1-247-807-31	CARBON	100	5%	1/4W	
R3201	1-249-411-11	CARBON	330	5%	1/4W	
R3202	1-249-437-11	CARBON	47K	5%	1/4W	
R3203	1-247-895-91	CARBON	470K	5%	1/4W	
R3204	1-247-899-11	CARBON	680K	5%	1/4W	
R3211	1-249-411-11	CARBON	330	5%	1/4W	
R3212	1-249-437-11	CARBON	47K	5%	1/4W	
R3213	1-247-895-91	CARBON	470K	5%	1/4W	
R3214	1-247-899-11	CARBON	680K	5%	1/4W	
R3221	1-249-411-11	CARBON	330	5%	1/4W	
R3222	1-249-437-11	CARBON	47K	5%	1/4W	
R3223	1-247-895-91	CARBON	470K	5%	1/4W	
R3224	1-247-899-11	CARBON	680K	5%	1/4W	
R3231	1-247-807-31	CARBON	100	5%	1/4W	
R3232	1-249-437-11	CARBON	47K	5%	1/4W	
R3233	1-247-895-91	CARBON	470K	5%	1/4W	
R3234	1-247-899-11	CARBON	680K	5%	1/4W	
R3241	1-249-421-11	CARBON	2.2K	5%	1/4W	F
R3242	1-249-393-11	CARBON	10	5%	1/4W	F
		< SWITCH >				
S501	1-554-303-21	SWITCH, TACTILE (SYSTEM POWER)				
S502	1-554-303-21	SWITCH, TACTILE (SLEEP)				
S503	1-554-303-21	SWITCH, TACTILE (CLOCK SET)				
S504	1-554-303-21	SWITCH, TACTILE (EFFECT)				
S506	1-554-303-21	SWITCH, TACTILE (KARAOKEPON/MPX) (N555AV:E,AUS,PX,MX,AR)				
S507	1-554-303-21	SWITCH, TACTILE (TUNING MODE)				
S508	1-554-303-21	SWITCH, TACTILE (>)				
S509	1-554-303-21	SWITCH, TACTILE (^)				
S510	1-554-303-21	SWITCH, TACTILE (<)				
S511	1-554-303-21	SWITCH, TACTILE (v)				
S512	1-554-303-21	SWITCH, TACTILE (LIVE)				
S513	1-554-303-21	SWITCH, TACTILE (THEATER)				
S514	1-554-303-21	SWITCH, TACTILE (HALL)				
S515	1-554-303-21	SWITCH, TACTILE (ON/OFF, DOLBY SURROUND)				
S516	1-554-303-21	SWITCH, TACTILE (CENTER MODE, SURROUND)				
S517	1-554-303-21	SWITCH, TACTILE (ENTER/NEXT)				
S518	1-554-303-21	SWITCH, TACTILE (DISPLAY/DEMO)				
S519	1-554-303-21	SWITCH, TACTILE (REC)				
S520	1-554-303-21	SWITCH, TACTILE (DAILY 2)				
S521	1-554-303-21	SWITCH, TACTILE (DAILY 1)				
S522	1-554-303-21	SWITCH, TACTILE (TIMER SET)				
S525	1-554-303-21	SWITCH, TACTILE (FUNCTION)				
S526	1-554-303-21	SWITCH, TACTILE (EQ MEMORY)				
S527	1-554-303-21	SWITCH, TACTILE (FILE 1)				
S528	1-554-303-21	SWITCH, TACTILE (FILE 2)				
S529	1-554-303-21	SWITCH, TACTILE (FILE 3)				
S530	1-554-303-21	SWITCH, TACTILE (FILE 4)				
S531	1-554-303-21	SWITCH, TACTILE (FILE SELECT)				
S532	1-554-303-21	SWITCH, TACTILE (FILE 5)				
S549	1-554-303-21	SWITCH, TACTILE (SUPER WOOFER)(N555AV)				
S551	1-554-303-21	SWITCH, TACTILE (DBFB)				
S552	1-554-303-21	SWITCH, TACTILE (TUNER/BAND)				
S553	1-554-303-21	SWITCH, TACTILE (PTY)(N555AV:AEP,UK,G,IT)				
S565	1-554-303-21	SWITCH, TACTILE (STEREO/MONO)				
S566	1-554-303-21	SWITCH, TACTILE (TUNER MEMORY)				
S567	1-554-303-21	SWITCH, TACTILE (+ TUNING)				
S568	1-554-303-21	SWITCH, TACTILE (- TUNING)				
S579	1-467-869-11	ENCODER, ROTARY (VOLUME)				
		< VIBRATOR >				
X3001	1-579-233-11	VIBRATOR, CERAMIC (4MHz)				
**********						
*	A-4389-604-A	POWER AMP BOARD, COMPLETE (D670AV) **********				
*	A-4389-617-A	POWER AMP BOARD, COMPLETE ********** (N555AV:E,AUS,PX,MX,AR)				
*	A-4389-625-A	POWER AMP BOARD, COMPLETE ********** (N555AV:AEP,UK,G,IT)				
	7-685-646-79	SCREW +BVTP 3X8 TYPE2 N-S				
		< CAPACITOR >				
C1201	1-126-963-11	ELECT	4.7uF	20%	50V	
C1202	1-162-294-31	CERAMIC	1000PF	10%	50V	
C1203	1-162-286-21	CERAMIC	220PF	10%	50V	
C1204	1-126-967-11	ELECT	47uF	20%	50V	
C1205	1-126-967-11	ELECT	47uF	20%	50V	
C1206	1-126-968-11	ELECT	100uF	20%	50V	
C1207	1-162-306-11	CERAMIC	0.01uF	5%	50V	
C1208	1-126-965-11	ELECT	22uF	20%	50V	
C1209	1-162-306-11	CERAMIC	0.01uF	5%	50V	
C1210	1-136-495-11	FILM	0.068uF	5%	50V	
C1211	1-136-495-11	FILM	0.068uF	5%	50V	
C1212	1-126-964-11	ELECT	10uF	20%	50V	
C1220	1-126-933-11	ELECT	100uF	20%	10V	
C1226	1-161-494-00	CERAMIC	0.022uF	30%	50V (N555AV:AEP,UK,G,IT)	
C1231	1-126-923-11	ELECT	220uF	20%	10V	
C1232	1-126-923-11	ELECT	220uF	20%	10V	
C1233	1-124-925-11	ELECT	2.2uF	20%	100V	
C1234	1-126-933-11	ELECT	100uF	20%	10V	

POWER AMP

Ref. No.	Part No.	Description				Remark
C1247	1-161-494-00	CERAMIC	0.022uF	30%	50V	(N555AV:AEP,UK,G,IT)
C1248	1-164-159-21	CERAMIC	0.1uF		50V	(N555AV:AEP,UK,G,IT)
C1249	1-164-159-21	CERAMIC	0.1uF		50V	(N555AV:AEP,UK,G,IT)
C1251	1-126-963-11	ELECT	4.7uF	20%	50V	
C1252	1-162-294-31	CERAMIC	1000PF	10%	50V	
C1253	1-162-286-21	CERAMIC	220PF	10%	50V	
C1254	1-126-967-11	ELECT	47uF	20%	50V	
C1255	1-126-967-11	ELECT	47uF	20%	50V	
C1256	1-126-968-11	ELECT	100uF	20%	50V	
C1260	1-136-495-11	FILM	0.068uF	5%	50V	
C1261	1-136-495-11	FILM	0.068uF	5%	50V	
C1270	1-130-781-00	FILM	0.22uF	10%	100V	
C1271	1-130-781-00	FILM	0.22uF	10%	100V	
C1272	1-126-138-11	ELECT	4700uF	20%	50V	(D670AV/N555AV:AEP,UK,G,IT)
C1272	1-128-493-11	ELECT	4700uF	20%	71V	(N555AV: E,AUS,MX,PX,AR)
C1273	1-126-138-11	ELECT	4700uF	20%	50V	(D670AV/N555AV:AEP,UK,G,IT)
C1273	1-128-493-11	ELECT	4700uF	20%	71V	(N555AV: E,AUS,MX,PX,AR)
C1297	1-161-494-00	CERAMIC	0.022uF	30%	50V	(N555AV:AEP,UK,G,IT)
C1298	1-164-159-21	CERAMIC	0.1uF		50V	(N555AV:AEP,UK,G,IT)
C1299	1-164-159-21	CERAMIC	0.1uF		50V	(N555AV:AEP,UK,G,IT)
C1301	1-126-963-11	ELECT	4.7uF	20%	50V	
C1302	1-162-294-31	CERAMIC	0.001uF	10%	50V	
C1303	1-162-286-21	CERAMIC	220PF	10%	50V	
C1304	1-126-967-11	ELECT	47uF	20%	50V	
C1305	1-126-967-11	ELECT	47uF	20%	50V	
C1306	1-126-968-11	ELECT	100uF	20%	50V	
C1308	1-126-965-11	ELECT	22uF	20%	50V	
C1310	1-136-495-11	FILM	0.068uF	5%	50V	
C1311	1-136-495-11	FILM	0.068uF	5%	50V	
C1326	1-161-494-00	CERAMIC	0.022uF	30%	50V	(N555AV:AEP,UK,G,IT)
C1347	1-161-494-00	CERAMIC	0.022uF	30%	50V	(N555AV:AEP,UK,G,IT)
C1348	1-164-159-21	CERAMIC	0.1uF		50V	(N555AV:AEP,UK,G,IT)
C1349	1-164-159-21	CERAMIC	0.1uF		50V	(N555AV:AEP,UK,G,IT)
C1351	1-126-963-11	ELECT	4.7uF	20%	50V	
C1352	1-162-294-31	CERAMIC	0.001uF	10%	50V	
C1353	1-162-286-21	CERAMIC	220PF	10%	50V	
C1354	1-126-967-11	ELECT	47uF	20%	50V	
C1355	1-126-967-11	ELECT	47uF	20%	50V	
C1356	1-126-968-11	ELECT	100uF	20%	50V	

Ref. No.	Part No.	Description				Remark
C1360	1-136-495-11	FILM	0.068uF	5%	50V	
C1361	1-136-495-11	FILM	0.068uF	5%	50V	
C1397	1-136-157-00	FILM	0.022uF	5%	50V	(N555AV:AEP,UK,G,IT)
C1398	1-164-159-21	CERAMIC	0.1uF		50V	(N555AV:AEP,UK,G,IT)
C1399	1-164-159-21	CERAMIC	0.1uF		50V	(N555AV:AEP,UK,G,IT)
C1431	1-124-902-00	ELECT	0.47uF	20%	50V	
C1447	1-161-494-00	CERAMIC	0.022uF	30%	50V	(N555AV:AEP,UK,G,IT)
C1448	1-164-159-21	CERAMIC	0.1uF		50V	(N555AV:AEP,UK,G,IT)
C1449	1-164-159-21	CERAMIC	0.1uF		50V	(N555AV:AEP,UK,G,IT)
C1481	1-162-294-31	CERAMIC	0.001uF	10%	50V	(N555AV)
C1482	1-137-399-11	FILM	0.1uF	5%	50V	(N555AV)
C1483	1-137-399-11	FILM	0.1uF	5%	50V	(N555AV)
C1484	1-136-167-00	FILM	0.15uF	5%	50V	(N555AV)
C1485	1-136-171-00	FILM	0.33uF	5%	50V	(N555AV)
C1486	1-136-155-00	FILM	0.015uF	5%	50V	(N555AV)
C1489	1-126-964-11	ELECT	10uF	20%	50V	(N555AV)
C1492	1-126-964-11	ELECT	10uF	20%	50V	(N555AV)
C1493	1-126-964-11	ELECT	10uF	20%	50V	(N555AV)
C1497	1-161-494-00	CERAMIC	0.022uF	30%	50V	(N555AV:AEP,UK,G,IT)
C1498	1-164-159-21	CERAMIC	0.1uF		50V	(N555AV:AEP,UK,G,IT)
C1499	1-164-159-21	CERAMIC	0.1uF		50V	(N555AV:AEP,UK,G,IT)

< CONNECTOR >

*	CN1201	1-766-957-11	CONNECTOR, BOARD TO BOARD 20P
	CN1301	1-564-506-11	PLUG, CONNECTOR 3P (D670AV)
*	CN1301	1-564-508-11	PLUG, CONNECTOR 5P (N555AV)
*	CN1401	1-564-509-11	PLUG, CONNECTOR 6P (N555AV)
	CN1404	1-564-510-11	PLUG, CONNECTOR 7P (N555AV)

< DIODE >

D1201	8-719-987-63	DIODE	1N4148M
D1202	8-719-987-63	DIODE	1N4148M
D1204	8-719-987-63	DIODE	1N4148M
D1206	8-719-987-63	DIODE	1N4148M
D1207	8-719-987-63	DIODE	1N4148M
D1209	8-719-987-63	DIODE	1N4148M

POWER AMP

Ref. No.	Part No.	Description	Remark
D1210	8-719-987-63	DIODE 1N4148M	
D1211	8-719-987-63	DIODE 1N4148M	
D1212	8-719-987-63	DIODE 1N4148M	
D1213	8-719-987-63	DIODE 1N4148M	
D1231	8-719-987-63	DIODE 1N4148M	
D1232	8-719-987-63	DIODE 1N4148M	
D1240	8-719-987-63	DIODE 1N4148M	
D1250	8-719-302-38	DIODE RBV-602-01	
D1251	8-719-987-63	DIODE 1N4148M	
D1301	8-719-987-63	DIODE 1N4148M	
D1304	8-719-987-63	DIODE 1N4148M	
D1306	8-719-987-63	DIODE 1N4148M	
D1307	8-719-987-63	DIODE 1N4148M	
D1308	8-719-987-63	DIODE 1N4148M	
D1341	8-719-987-63	DIODE 1N4148M	
D1351	8-719-987-63	DIODE 1N4148M	
D1406	8-719-987-63	DIODE 1N4148M (N555AV)	
D1407	8-719-987-63	DIODE 1N4148M (N555AV)	
D1408	8-719-987-63	DIODE 1N4148M (N555AV)	
D1411	8-719-987-63	DIODE 1N4148M (N555AV)	
D1412	8-719-987-63	DIODE 1N4148M (N555AV)	
D1431	8-719-987-63	DIODE 1N4148M	
D1441	8-719-987-63	DIODE 1N4148M (N555AV)	
		<GROUND TERMINAL>	
* EPT1201	1-537-738-21	GROUND, TERMINAL	
		< IC >	
IC1201	8-749-900-24	IC STK-4162MK2 (N555AV:AEP,UK,G,IT)	
IC1201	8-749-900-34	IC STK-4182MK2 (D670AV)	
IC1201	8-749-941-52	IC STK-4152II (N555AV:E,AUS,PX,MX,AR)	
IC1202	8-759-111-68	IC UPC1237HA	
IC1301	8-749-900-24	IC STK-4162MK2 (N555AV:AEP,UK,G,IT)	
IC1301	8-749-900-34	IC STK-4182MK2 (D670AV)	
IC1301	8-749-941-52	IC STK-4152II (N555AV:E,AUS,PX,MX,AR)	
IC1402	8-759-634-51	IC M5218AP (N555AV)	
IC1403	8-759-634-51	IC M5218AP (N555AV)	
		< COIL >	
L1201	1-420-872-00	COIL, AIR-CORE (N555AV:AEP,UK,G,IT)	
L1251	1-420-872-00	COIL, AIR-CORE (N555AV:AEP,UK,G,IT)	
L1301	1-420-872-00	COIL, AIR-CORE (N555AV:AEP,UK,G,IT)	
L1351	1-420-872-00	COIL, AIR-CORE (N555AV:AEP,UK,G,IT)	
L1401	1-420-872-00	COIL, AIR-CORE (N555AV:AEP,UK,G,IT)	
L1451	1-420-872-00	COIL, AIR-CORE (N555AV:AEP,UK,G,IT)	
		< TRANSISTOR >	
Q1201	8-729-140-84	TRANSISTOR 2SC1841-PAFAEA	
Q1206	8-729-422-57	TRANSISTOR UN4111	
Q1207	8-729-140-84	TRANSISTOR 2SC1841-PAFAEA	
Q1208	8-729-900-80	TRANSISTOR DTC114ES	

Ref. No.	Part No.	Description	Remark
Q1230	8-729-119-78	TRANSISTOR 2SC403SP-51	
Q1240	8-729-900-63	TRANSISTOR DTA124ES	
Q1251	8-729-140-84	TRANSISTOR 2SC1841-PAFAEA	
Q1301	8-729-140-84	TRANSISTOR 2SC1841-PAFAEA	
Q1307	8-729-140-84	TRANSISTOR 2SC1841-PAFAEA	
Q1351	8-729-140-84	TRANSISTOR 2SC1841-PAFAEA	
Q1404	8-729-141-26	TRANSISTOR 2SC3622A-LK (N555AV)	
Q1405	8-729-141-26	TRANSISTOR 2SC3622A-LK (N555AV)	
Q1407	8-729-140-84	TRANSISTOR 2SC1841-PAFAEA (N555AV)	
		< RESISTOR >	
R1201	1-249-417-11	CARBON 1K 5% 1/4W	F
R1202	1-249-437-11	CARBON 47K 5% 1/4W	
R1203	1-249-415-11	CARBON 680 5% 1/4W	F
R1204	1-249-437-11	CARBON 47K 5% 1/4W	
R1205	1-249-425-11	CARBON 4.7K 5% 1/4W	F
R1206	1-249-425-11	CARBON 4.7K 5% 1/4W	F
R1207	1-249-425-11	CARBON 4.7K 5% 1/4W	F
R1208	1-249-425-11	CARBON 4.7K 5% 1/4W	F
⚠R1209	1-212-881-11	FUSIBLE 100 5% 1/4W	F
⚠R1210	1-208-602-11	WIREWOUND 0.22 10% 2W	F
R1211	1-249-417-11	CARBON 1K 5% 1/4W	F
R1212	1-249-431-11	CARBON 15K 5% 1/4W	
R1213	1-249-441-11	CARBON 100K 5% 1/4W	
R1214	1-249-421-11	CARBON 2.2K 5% 1/4W	F
R1215	1-249-421-11	CARBON 2.2K 5% 1/4W	F
R1216	1-249-421-11	CARBON 2.2K 5% 1/4W	F
R1217	1-249-421-11	CARBON 2.2K 5% 1/4W	F
R1218	1-247-791-91	CARBON 22 5% 1/4W	
R1219	1-247-791-91	CARBON 22 5% 1/4W	
R1220	1-249-389-11	CARBON 4.7 5% 1/4W (N555AV:AEP,UK,G,IT)	F
R1221	1-249-389-11	CARBON 4.7 5% 1/4W (N555AV:AEP,UK,G,IT)	F
R1222	1-249-413-11	CARBON 470 5% 1/4W	F
R1223	1-249-429-11	CARBON 10K 5% 1/4W	
R1224	1-249-429-11	CARBON 10K 5% 1/4W	
R1225	1-249-417-11	CARBON 1K 5% 1/4W	F
R1226	1-249-421-11	CARBON 2.2K 5% 1/4W	F
R1227	1-249-429-11	CARBON 10K 5% 1/4W	
R1228	1-249-441-11	CARBON 100K 5% 1/4W	
R1229	1-249-429-11	CARBON 10K 5% 1/4W	
R1231	1-249-429-11	CARBON 10K 5% 1/4W	
R1232	1-249-441-11	CARBON 100K 5% 1/4W	
R1233	1-249-435-11	CARBON 33K 5% 1/4W	
R1234	1-247-791-91	CARBON 22 5% 1/4W	
R1235	1-249-425-11	CARBON 4.7K 5% 1/4W	F
R1236	1-249-425-11	CARBON 4.7K 5% 1/4W	F
R1237	1-249-438-11	CARBON 56K 5% 1/4W	
R1238	1-249-437-11	CARBON 47K 5% 1/4W	
R1239	1-247-863-91	CARBON 22K 5% 1/4W	

The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety. Replace only with part number specified.	Les composants identifiés par une marque ⚠ sont critiques pour la sécurité. Ne les remplacer que par une piéce portant le numéro spécifié.

Ref. No.	Part No.	Description				Remark
R1240	1-247-863-91	CARBON	22K	5%	1/4W	
R1242	1-249-441-11	CARBON	100K	5%	1/4W	
⚠R1243	1-217-637-00	FUSIBLE	1	5%	1/4W	F
R1244	1-249-417-11	CARBON	1K	5%	1/4W	F
R1245	1-249-441-11	CARBON	100K	5%	1/4W	
R1247	1-249-421-11	CARBON	2.2K	5%	1/4W	F
R1248	1-249-385-11	CARBON	2.2	5%	1/6W	F (N555AV:AEP,UK,G,IT)
R1249	1-249-385-11	CARBON	2.2	5%	1/6W	F (N555AV:AEP,UK,G,IT)
R1251	1-249-417-11	CARBON	1K	5%	1/4W	F
R1252	1-249-437-11	CARBON	47K	5%	1/4W	
R1253	1-249-415-11	CARBON	680	5%	1/4W	F
R1254	1-249-437-11	CARBON	47K	5%	1/4W	
R1255	1-249-425-11	CARBON	4.7K	5%	1/4W	F
R1256	1-249-425-11	CARBON	4.7K	5%	1/4W	F
R1257	1-249-425-11	CARBON	4.7K	5%	1/4W	F
R1258	1-249-425-11	CARBON	4.7K	5%	1/4W	F
⚠R1259	1-212-881-11	FUSIBLE	100	5%	1/4W	F
⚠R1260	1-208-602-11	WIREWOUND	0.22	10%	2W	F
R1261	1-249-417-11	CARBON	1K	5%	1/4W	F
R1262	1-249-431-11	CARBON	15K	5%	1/4W	
R1263	1-249-441-11	CARBON	100K	5%	1/4W	
R1268	1-247-791-91	CARBON	22	5%	1/4W	
R1269	1-247-791-91	CARBON	22	5%	1/4W	
R1270	1-249-425-11	CARBON	4.7K	5%	1/4W	F
R1271	1-249-425-11	CARBON	4.7K	5%	1/4W	F
R1272	1-260-091-11	CARBON	220	5%	1/2W	
R1273	1-249-389-11	CARBON	4.7	5%	1/4W	F (N555AV:AEP,UK,G,IT)
R1274	1-260-091-11	CARBON	220	5%	1/2W	
R1275	1-249-389-11	CARBON	4.7	5%	1/4W	F (N555AV:AEP,UK,G,IT)
R1276	1-260-091-11	CARBON	220	5%	1/2W	
R1277	1-260-091-11	CARBON	220	5%	1/2W	
⚠R1280	1-216-455-11	METAL OXIDE	560	5%	2W	F
R1298	1-249-385-11	CARBON	2.2	5%	1/6W	F (N555AV:AEP,UK,G,IT)
R1299	1-249-385-11	CARBON	2.2	5%	1/6W	F (N555AV:AEP,UK,G,IT)
R1301	1-249-417-11	CARBON	1K	5%	1/4W	F
R1302	1-249-437-11	CARBON	47K	5%	1/4W	
R1303	1-249-417-11	CARBON	1K	5%	1/4W	F
R1304	1-249-437-11	CARBON	47K	5%	1/4W	
R1305	1-249-425-11	CARBON	4.7K	5%	1/4W	F
R1306	1-249-425-11	CARBON	4.7K	5%	1/4W	F
R1307	1-249-425-11	CARBON	4.7K	5%	1/4W	F
R1308	1-249-425-11	CARBON	4.7K	5%	1/4W	F
⚠R1309	1-212-881-11	FUSIBLE	100	5%	1/4W	F
⚠R1310	1-208-602-11	WIREWOUND	0.22	10%	2W	F
R1311	1-249-417-11	CARBON	1K	5%	1/4W	F
R1312	1-249-431-11	CARBON	15K	5%	1/4W	

Ref. No.	Part No.	Description				Remark
R1313	1-249-441-11	CARBON	100K	5%	1/4W	
R1314	1-249-421-11	CARBON	2.2K	5%	1/4W	F
R1315	1-249-421-11	CARBON	2.2K	5%	1/4W	F
R1316	1-249-421-11	CARBON	2.2K	5%	1/4W	F
R1317	1-249-421-11	CARBON	2.2K	5%	1/4W	F
R1318	1-247-791-91	CARBON	22	5%	1/4W	
R1319	1-247-791-91	CARBON	22	5%	1/4W	
R1320	1-249-389-11	CARBON	4.7	5%	1/4W	F (N555AV:AEP,UK,G,IT)
R1321	1-249-389-11	CARBON	4.7	5%	1/4W	F (N555AV:AEP,UK,G,IT)
R1324	1-249-429-11	CARBON	10K	5%	1/4W	
R1329	1-249-429-11	CARBON	10K	5%	1/4W	
R1337	1-249-438-11	CARBON	56K	5%	1/4W	
R1338	1-249-437-11	CARBON	47K	5%	1/4W	
R1340	1-247-863-91	CARBON	22K	5%	1/4W	
⚠R1343	1-217-637-00	FUSIBLE	1	5%	1/4W	F
R1344	1-249-417-11	CARBON	1K	5%	1/4W	F
R1348	1-249-385-11	CARBON	2.2	5%	1/6W	F (N555AV:AEP,UK,G,IT)
R1349	1-249-385-11	CARBON	2.2	5%	1/6W	F (N555AV:AEP,UK,G,IT)
R1351	1-249-417-11	CARBON	1K	5%	1/4W	F
R1352	1-249-437-11	CARBON	47K	5%	1/4W	
R1353	1-249-417-11	CARBON	1K	5%	1/4W	F
R1354	1-249-437-11	CARBON	47K	5%	1/4W	
R1355	1-249-425-11	CARBON	4.7K	5%	1/4W	F
R1356	1-249-425-11	CARBON	4.7K	5%	1/4W	F
R1357	1-249-425-11	CARBON	4.7K	5%	1/4W	F
R1358	1-249-425-11	CARBON	4.7K	5%	1/4W	F
⚠R1359	1-212-881-11	FUSIBLE	100	5%	1/4W	F
⚠R1360	1-208-602-11	WIREWOUND	0.22	10%	2W	F
R1361	1-249-417-11	CARBON	1K	5%	1/4W	F
R1362	1-249-431-11	CARBON	15K	5%	1/4W	
R1363	1-249-441-11	CARBON	100K	5%	1/4W	
R1368	1-247-791-91	CARBON	22	5%	1/4W	
R1369	1-247-791-91	CARBON	22	5%	1/4W	
R1370	1-249-389-11	CARBON	4.7	5%	1/4W	F (N555AV:AEP,UK,G,IT)
R1371	1-249-389-11	CARBON	4.7	5%	1/4W	F (N555AV:AEP,UK,G,IT)
⚠R1380	1-216-455-11	METAL OXIDE	560	5%	2W	F
R1398	1-249-385-11	CARBON	2.2	5%	1/6W	F (N555AV:AEP,UK,G,IT)
R1399	1-249-385-11	CARBON	2.2	5%	1/6W	F (N555AV:AEP,UK,G,IT)
R1420	1-249-389-11	CARBON	4.7	5%	1/4W	F (N555AV:AEP,UK,G,IT)
R1421	1-249-389-11	CARBON	4.7	5%	1/4W	F (N555AV:AEP,UK,G,IT)
R1424	1-249-429-11	CARBON	10K	5%	1/4W	(N555AV)

The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety. Replace only with part number specified.	Les composants identifiés par une marque ⚠ sont critiques pour la sécurité. Ne les remplacer que par une piéce portant le numéro spécifié.

POWER AMP | S. WOOFER

Ref. No.	Part No.	Description				Remark
R1431	1-249-441-11	CARBON	100K	5%	1/4W	
R1433	1-249-419-11	CARBON	1.5K	5%	1/4W	F
R1439	1-247-863-91	CARBON	22K	5%	1/4W	
R1444	1-249-417-11	CARBON	1K	5%	1/4W	F (N555AV)
R1448	1-249-385-11	CARBON	2.2	5%	1/6W	F (N555AV:AEP,UK,G,IT)
R1449	1-249-385-11	CARBON	2.2	5%	1/6W	F (N555AV:AEP,UK,G,IT)
R1470	1-249-389-11	CARBON	4.7	5%	1/4W	F (N555AV:AEP,UK,G,IT)
R1471	1-249-389-11	CARBON	4.7	5%	1/4W	F (N555AV:AEP,UK,G,IT)
R1481	1-249-429-11	CARBON	10K	5%	1/4W	F (N555AV)
R1482	1-249-426-11	CARBON	5.6K	5%	1/4W	(N555AV)
R1483	1-249-431-11	CARBON	15K	5%	1/4W	(N555AV)
R1484	1-249-429-11	CARBON	10K	5%	1/4W	(N555AV)
R1485	1-247-895-91	CARBON	470K	5%	1/4W	(N555AV)
R1486	1-249-429-11	CARBON	10K	5%	1/4W	(N555AV)
R1487	1-249-419-11	CARBON	1.5K	5%	1/4W	F (N555AV)
R1488	1-249-429-11	CARBON	10K	5%	1/4W	(N555AV)
R1489	1-249-437-11	CARBON	47K	5%	1/4W	(N555AV)
R1490	1-249-431-11	CARBON	15K	5%	1/4W	(N555AV)
R1491	1-249-441-11	CARBON	100K	5%	1/4W	(N555AV)
R1492	1-249-425-11	CARBON	4.7K	5%	1/4W	F (N555AV)
R1493	1-249-429-11	CARBON	10K	5%	1/4W	(N555AV)
R1494	1-249-429-11	CARBON	10K	5%	1/4W	(N555AV)
R1495	1-249-422-11	CARBON	2.7K	5%	1/4W	F (N555AV)
R1498	1-249-385-11	CARBON	2.2	5%	1/6W	F (N555AV:AEP,UK,G,IT)
R1499	1-249-385-11	CARBON	2.2	5%	1/6W	F (N555AV:AEP,UK,G,IT)
		< RELAY >				
RY1201	1-755-142-11	RELAY				
RY1301	1-755-142-11	RELAY				
		< TERMINAL >				
TM1201	1-537-842-11	TERMINAL BOARD (FRONT SPEAKER)				
TM1301	1-537-510-11	TERMINAL BOARD (SPEAKER) (6P)				(SURROUND SPEAKER)
TM1401	1-694-053-11	TERMINAL BOARD (SUPER WOOFER) (N555AV)				

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*	A-4389-608-A	S, WOOFER BOARD, COMPLETE **********				(N555AV:E,AUS,PX,MX,AR)
*	A-4389-627-A	S, WOOFER BOARD, COMPLETE **********				(N555AV:AEP,UK,G,IT)
		< CAPACITOR >				
C1401	1-126-963-11	ELECT	4.7uF	20%	50V	
C1402	1-136-171-00	FILM	0.33uF	5%	50V	
C1403	1-162-286-21	CERAMIC	220PF	10%	50V	
C1404	1-126-933-11	ELECT	100uF	20%	10V	
C1405	1-126-967-11	ELECT	47uF	20%	50V	
C1406	1-126-968-11	ELECT	100uF	20%	50V	
C1407	1-162-294-31	CERAMIC	0.001uF	10%	50V	
C1408	1-126-965-11	ELECT	22uF	20%	50V	
C1410	1-136-495-11	FILM	0.068uF	5%	50V	
C1411	1-136-495-11	FILM	0.068uF	5%	50V	
C1426	1-161-494-00	CERAMIC	0.022uF	30%	25V	(N555AV:AEP,UK,G,IT)
C1451	1-126-963-11	ELECT	4.7uF	20%	50V	
C1452	1-136-171-00	FILM	0.33uF	5%	50V	
C1453	1-162-286-21	CERAMIC	220PF	10%	50V	
C1454	1-126-933-11	ELECT	100uF	20%	10V	
C1455	1-126-967-11	ELECT	47uF	20%	50V	
C1456	1-126-968-11	ELECT	100uF	20%	50V	
C1460	1-136-495-11	FILM	0.068uF	5%	50V	
C1461	1-136-495-11	FILM	0.068uF	5%	50V	
		< DIODE >				
D1401	8-719-987-63	DIODE 1N4148M				
D1404	8-719-987-63	DIODE 1N4148M				
D1451	8-719-987-63	DIODE 1N4148M				
		< IC >				
IC1401	8-749-900-24	IC STK-4162MK2 (N555AV: AEP,UK,G,IT)				
IC1401	8-749-941-52	IC STK-4152II (N555AV: E,AUS,MX,PX,AR)				
		< TRANSISTOR >				
Q1401	8-729-140-84	TRANSISTOR 2SC1841-PAFAEA				
Q1451	8-729-140-84	TRANSISTOR 2SC1841-PAFAEA				
		< RESISTOR >				
R1401	1-249-417-11	CARBON	1K	5%	1/4W	F
R1402	1-249-437-11	CARBON	47K	5%	1/4W	
R1403	1-249-417-11	CARBON	1K	5%	1/4W	F

Ref. No.	Part No.	Description				Remark
R1404	1-249-437-11	CARBON	47K	5%	1/4W	
R1405	1-249-425-11	CARBON	4.7K	5%	1/4W	F
R1406	1-249-425-11	CARBON	4.7K	5%	1/4W	F
R1407	1-249-425-11	CARBON	4.7K	5%	1/4W	F
R1408	1-249-425-11	CARBON	4.7K	5%	1/4W	F
⚠R1409	1-212-881-11	FUSIBLE	100	5%	1/4W	F
⚠R1410	1-208-602-11	WIREWOUND	0.22	10%	2W	F
R1411	1-249-417-11	CARBON	1K	5%	1/4W	F
R1412	1-249-431-11	CARBON	15K	5%	1/4W	
R1413	1-249-441-11	CARBON	100K	5%	1/4W	
R1414	1-249-421-11	CARBON	2.2K	5%	1/4W	F
R1415	1-249-421-11	CARBON	2.2K	5%	1/4W	F
R1416	1-249-421-11	CARBON	2.2K	5%	1/4W	F
R1417	1-249-421-11	CARBON	2.2K	5%	1/4W	F
R1418	1-247-791-91	CARBON	22	5%	1/4W	
R1419	1-247-791-91	CARBON	22	5%	1/4W	
R1429	1-249-429-11	CARBON	10K	5%	1/4W	
R1437	1-249-438-11	CARBON	56K	5%	1/4W	
R1438	1-249-437-11	CARBON	47K	5%	1/4W	
⚠R1443	1-217-637-00	FUSIBLE	1	5%	1/4W	F
R1451	1-249-417-11	CARBON	1K	5%	1/4W	F
R1452	1-249-437-11	CARBON	47K	5%	1/4W	
R1453	1-249-417-11	CARBON	1K	5%	1/4W	F
R1454	1-249-437-11	CARBON	47K	5%	1/4W	
R1455	1-249-425-11	CARBON	4.7K	5%	1/4W	F
R1456	1-249-425-11	CARBON	4.7K	5%	1/4W	F
R1457	1-249-425-11	CARBON	4.7K	5%	1/4W	F
R1458	1-249-425-11	CARBON	4.7K	5%	1/4W	F
⚠R1459	1-212-881-11	FUSIBLE	100	5%	1/4W	F
⚠R1460	1-208-602-11	WIREWOUND	0.22	10%	2W	F
R1461	1-249-417-11	CARBON	1K	5%	1/4W	F
R1462	1-249-431-11	CARBON	15K	5%	1/4W	
R1463	1-249-441-11	CARBON	100K	5%	1/4W	
R1468	1-247-791-91	CARBON	22	5%	1/4W	
R1469	1-247-791-91	CARBON	22	5%	1/4W	
⚠R1480	1-216-455-11	METAL OXIDE	560	5%	2W	F
		< RELAY >				
RY1401	1-755-142-11	RELAY				

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*	1-659-058-13	TABLE SENSOR BOARD	
		**********	
		< IC >	
IC202	8-749-924-18	PHOTO INTERRUPTER RPI-1391	
		< RESISTOR >	
R207	1-249-416-11	CARBON	820 5% 1/4W F

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Ref. No.	Part No.	Description				Remark
*	1-659-413-11	TC CONTROL BOARD				
		**********				
		< DIODE >				
D630	8-719-058-03	DIODE SEL5423E-TP15 (▷)(DECK B)				
D631	8-719-058-03	DIODE SEL5423E-TP15 (◁)(DECK B)				
D632	8-719-058-03	DIODE SEL5423E-TP15 (▷)(DECK A)				
D633	8-719-058-03	DIODE SEL5423E-TP15 (◁)(DECK A)				
D634	8-719-058-03	DIODE SEL5423E-TP15				
D635	8-719-058-03	DIODE SEL5423E-TP15				
		< RESISTOR >				
R538	1-247-815-91	CARBON	220	5%	1/4W	
R539	1-249-411-11	CARBON	330	5%	1/4W	
R540	1-249-413-11	CARBON	470	5%	1/4W	F
R541	1-249-415-11	CARBON	680	5%	1/4W	F
R542	1-249-417-11	CARBON	1K	5%	1/4W	F
R543	1-249-419-11	CARBON	1.5K	5%	1/4W	F
R544	1-249-421-11	CARBON	2.2K	5%	1/4W	F
R545	1-249-423-11	CARBON	3.3K	5%	1/4W	F
R546	1-249-427-11	CARBON	6.8K	5%	1/4W	F
R547	1-249-431-11	CARBON	15K	5%	1/4W	
R672	1-247-815-91	CARBON	220	5%	1/4W	
R673	1-247-815-91	CARBON	220	5%	1/4W	
		< SWITCH >				
S539	1-554-303-21	SWITCH, TACTILE (▶▶)(DECK B)				
S540	1-554-303-21	SWITCH, TACTILE (◀◀)(DECK B)				
S541	1-554-303-21	SWITCH, TACTILE (■)(DECK B)				
S542	1-554-303-21	SWITCH, TACTILE (▷)(DECK B)				
S543	1-554-303-21	SWITCH, TACTILE (◁)(DECK B)				
S544	1-554-303-21	SWITCH, TACTILE (▷)(DECK A)				
S545	1-554-303-21	SWITCH, TACTILE (◁)(DECK A)				
S546	1-554-303-21	SWITCH, TACTILE (▶▶)(DECK A)				
S547	1-554-303-21	SWITCH, TACTILE (◀◀)(DECK A)				
S548	1-554-303-21	SWITCH, TACTILE (■)(DECK A)				

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*	1-659-412-11	TC SW BOARD	
		**********	
		< CONNECTOR >	
* CN503	1-568-945-11	PIN, CONNECTOR 7P	
		< DIODE >	
D628	8-719-058-17	DIODE LNJ401NPYJA (❚❚)	
D629	8-719-057-09	DIODE LNJ801LPDJA (● REC)	

The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety. Replace only with part number specified.	Les composants identifiés par une marque ⚠ sont critiques pour la sécurité. Ne les remplacer que par une piéce portant le numéro spécifié.

TC SW | TCB

Ref. No.	Part No.	Description				Remark
		< RESISTOR >				
R533	1-249-419-11	CARBON	1.5K	5%	1/4W	F
R534	1-249-421-11	CARBON	2.2K	5%	1/4W	F
R535	1-249-423-11	CARBON	3.3K	5%	1/4W	F
R536	1-249-427-11	CARBON	6.8K	5%	1/4W	F
R537	1-249-431-11	CARBON	15K	5%	1/4W	
			(D670AV/N555QV:AEP,UK,G,IT)			
R590	1-249-417-11	CARBON	1K	5%	1/4W	F
		< SWITCH >				
S533	1-554-303-21	SWITCH, TACTILE (CD SYNCHRO)				
S534	1-554-303-21	SWITCH, TACTILE (HIGH SPEED DUBBING)				
S535	1-554-303-21	SWITCH, TACTILE (▮▮)				
S536	1-554-303-21	SWITCH, TACTILE (●REC)				
S537	1-554-303-21	SWITCH, TACTILE (DIRECTION)				
S538	1-554-303-21	SWITCH, TACTILE (DOLBY NR)				
		(D670AV/N555AV:AEP,UK,G,IT)				

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*						
	A-4303-510-A	TCB BOARD, COMPLETE (D670AV)				
		**********				
*	A-4303-513-A	TCB BOARD,COMPLETE				
		**********				
		(N555AV:E,AUS,AR,MX,PX)				
		< CAPACITOR >				
C1	1-162-294-31	CERAMIC	0.001uF	10%	50V	
C2	1-126-967-11	ELECT	47uF	20%	16V	
C3	1-164-159-21	CERAMIC	0.1uF		50V	
C5	1-162-306-11	CERAMIC	10000PF	30%	16V	
C6	1-162-306-11	CERAMIC	10000PF	30%	16V	
C7	1-101-004-00	CERAMIC	0.01uF		50V	
C8	1-162-306-11	CERAMIC	10000PF	30%	16V	
C9	1-162-306-11	CERAMIC	10000PF	30%	16V	
C11	1-164-159-21	CERAMIC	0.1uF		50V	
C12	1-162-198-31	CERAMIC	8.2PF	10%	50V	
C14	1-162-306-11	CERAMIC	10000PF	30%	16V	
C21	1-102-959-00	CERAMIC	22PF	5%	50V	
C22	1-164-159-21	CERAMIC	0.1uF		50V	
C23	1-162-306-11	CERAMIC	10000PF	30%	16V	
C24	1-126-967-11	ELECT	47uF	20%	16V	
C25	1-162-306-11	CERAMIC	10000PF	30%	16V	
C26	1-126-964-11	ELECT	10uF	20%	50V	
C27	1-164-159-21	CERAMIC	0.1uF		50V	
C28	1-124-925-11	ELECT	2.2uF	20%	100V	
C29	1-102-518-11	CERAMIC	33PF	5%	50V	
C30	1-162-294-31	CERAMIC	0.001uF	10%	50V	
C31	1-162-306-11	CERAMIC	10000PF	30%	16V	
C41	1-126-933-11	ELECT	100uF	20%	10V	

Ref. No.	Part No.	Description				Remark
C43	1-126-962-11	ELECT	3.3uF	20%	50V	
C44	1-162-306-11	CERAMIC	10000PF	30%	16V	
C45	1-124-589-11	ELECT	47uF	20%	16V	
C46	1-162-600-11	CERAMIC	4700PF	30%	16V	
C47	1-162-294-31	CERAMIC	0.001uF	10%	50V	
C48	1-126-160-11	ELECT	1uF	20%	50V	
C49	1-136-159-00	METALIZED FILM	0.033uF	5%	50V	
			(N555AV:E,AUS,AR,MX,PX)			
C49	1-136-160-00	METALIZED FILM	0.039uF	5%	50V	
					(D670AV)	
C50	1-136-159-00	METALIZED FILM	0.033uF	5%	50V	
			(N555AV:E,AUS,AR,MX,PX)			
C50	1-136-160-00	METALIZED FILM	0.039uF	5%	50V	
					(D670AV)	
C51	1-162-600-11	CERAMIC	4700PF	30%	16V	
					(D670AV)	
C52	1-162-600-11	CERAMIC	4700PF	30%	16V	
					(D670AV)	
C53	1-126-964-11	ELECT	10uF	20%	50V	
C54	1-126-157-11	ELECT	10uF	20%	16V	
C55	1-126-964-11	ELECT	10uF	20%	50V	
C56	1-126-964-11	ELECT	10uF	20%	50V	
C57	1-164-159-21	CERAMIC	0.1uF		50V	F
C58	1-162-306-11	CERAMIC	10000PF	30%	16V	
C59	1-164-159-21	CERAMIC	0.1uF		50V	F
C61	1-164-159-21	CERAMIC	0.1uF		50V	F
C62	1-126-967-11	ELECT	47uF	20%	16V	
C63	1-164-159-21	CERAMIC	0.1uF		50V	F
C64	1-124-902-00	ELECT	0.47uF	20%	50V	
C65	1-124-903-11	ELECT	1.0uF	20%	50V	
C66	1-124-903-11	ELECT	1.0uF	20%	50V	
C67	1-126-964-11	ELECT	10uF	20%	50V	
C68	1-162-306-11	CERAMIC	10000PF	30%	16V	
C69	1-162-306-11	CERAMIC	10000PF	30%	16V	
C70	1-162-306-11	CERAMIC	10000PF	30%	16V	
C71	1-162-306-11	CERAMIC	10000PF	30%	16V	
C73	1-162-306-11	CERAMIC	10000PF	30%	16V	
C74	1-126-964-11	ELECT	10uF	20%	50V	
		< FILTER >				
CF1	1-567-389-11	FILTER, CERAMIC				
CF2	1-567-389-11	FILTER, CERAMIC				
		< CONNECTOR >				
* CN1	1-568-832-11	SOCKET, CONNECTOR 13P				
		< DIODE >				
D1	8-719-933-33	DIODE HZS6A1L				
D2	8-719-987-63	DIODE 1N4148M				

TCB

Ref. No.	Part No.	Description				Remark
		< FRONTEND >				
FE1	1-233-533-11	ENCAPSULATED COMPONENT				
FE2	1-239-260-11	ENCAPSULATED COMPONENT				
		< IC >				
IC1	8-759-288-54	IC LC72130				
IC2	8-759-176-03	IC LA1835				
		< IFT >				
IFT41	1-409-636-11	TRANSFORMER, IF (CERAMIC FILTER)				
		< COIL >				
L41	1-410-119-11	MICRO INDUCTOR (EL TYPE) 1mH				
		< FILTER >				
LPF41	1-239-845-11	FILTER, LOW PASS (D670AV)				
LPF42	1-239-845-11	FILTER, LOW PASS (D670AV)				
		< TRANSISTOR >				
Q1	8-729-230-99	TRANSISTOR 2SC2669-OY				
Q2	8-729-230-99	TRANSISTOR 2SC2669-OY				
Q3	8-729-230-99	TRANSISTOR 2SC2669-OY				
Q4	8-729-230-99	TRANSISTOR 2SC2669-OY				
Q5	8-729-422-57	TRANSISTOR UN4111				
		< RESISTOR >				
R1	1-249-401-11	CARBON	47	5%	1/4W	F
R2	1-249-411-11	CARBON	330	5%	1/4W	
R3	1-249-411-11	CARBON	330	5%	1/4W	
R5	1-249-411-11	CARBON	330	5%	1/4W	
R6	1-247-863-91	CARBON	22K	5%	1/4W	
R7	1-249-411-11	CARBON	330	5%	1/4W	
R8	1-249-411-11	CARBON	330	5%	1/4W	
R9	1-247-863-91	CARBON	22K	5%	1/4W	
R10	1-249-411-11	CARBON	330	5%	1/4W	
R11	1-247-863-91	CARBON	22K	5%	1/4W	
R12	1-249-411-11	CARBON	330	5%	1/4W	
R13	1-249-411-11	CARBON	330	5%	1/4W	
R14	1-247-863-91	CARBON	22K	5%	1/4W	
R15	1-249-429-11	CARBON	10K	5%	1/4W	
R16	1-249-437-11	CARBON	47K	5%	1/4W	
R19	1-249-399-11	CARBON	33	5%	1/4W	F
R21	1-247-807-31	CARBON	100	5%	1/4W	
R22	1-249-425-11	CARBON	4.7K	5%	1/4W	F
R23	1-249-425-11	CARBON	4.7K	5%	1/4W	F
R24	1-249-425-11	CARBON	4.7K	5%	1/4W	F
R25	1-247-807-31	CARBON	100	5%	1/4W	
R26	1-249-411-11	CARBON	330	5%	1/4W	
R27	1-249-425-11	CARBON	4.7K	5%	1/4W	F

Ref. No.	Part No.	Description				Remark
R28	1-249-423-11	CARBON	3.3K	5%	1/4W	F
R29	1-249-417-11	CARBON	1K	5%	1/4W	F
R30	1-249-417-11	CARBON	1K	5%	1/4W	F
R31	1-249-417-11	CARBON	1K	5%	1/4W	F
R32	1-249-417-11	CARBON	1K	5%	1/4W	F
R33	1-247-807-31	CARBON	100	5%	1/4W	
R34	1-249-429-11	CARBON	10K	5%	1/4W	
R35	1-249-429-11	CARBON	10K	5%	1/4W	
R36	1-249-437-11	CARBON	47K	5%	1/4W	
R37	1-249-417-11	CARBON	1K	5%	1/4W	F
R41	1-249-429-11	CARBON	10K	5%	1/4W	
R43	1-249-423-11	CARBON	3.3K	5%	1/4W	F
R44	1-249-423-11	CARBON	3.3K	5%	1/4W	F
R46	1-249-442-11	CARBON	510	5%	1/4W	
R47	1-249-399-11	CARBON	33	5%	1/4W	F
R48	1-249-423-11	CARBON	3.3K	5%	1/4W	F
R49	1-249-393-11	CARBON	10	5%	1/4W	F
R50	1-249-429-11	CARBON	10K	5%	1/4W	
R51	1-249-441-11	CARBON	100K	5%	1/4W	
R52	1-249-429-11	CARBON	10K	5%	1/4W	
R53	1-249-425-11	CARBON	4.7K	5%	1/4W	F
R54	1-249-425-11	CARBON	4.7K	5%	1/4W	F
R99	1-249-399-11	CARBON	33	5%	1/4W	F
		< VARIABLE RESISTOR >				
RV41	1-238-600-11	RES, ADJ, CARBON 10K				
RV42	1-238-601-11	RES, ADJ, CARBON 22K				
		< TERMINAL >				
TM1	1-537-238-21	TERMINAL BOARD (ANTENNA)				
		< VIBRATOR >				
X21	1-760-549-11	VIBRATOR, CRYSTAL (4.5MHz)				
X41	1-577-075-11	OSCILLATOR, CERAMIC (456KHz)				
X42	1-760-220-11	FILTER, CERAMIC (10.7MHz)				
X43	1-527-981-00	FILTER, CERAMIC (450KHz)				

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TCB

Ref. No.	Part No.	Description	Remark
*	A-4303-502-A	TCB BOARD, COMPLETE (EXCEPT Malaysia product) ********** (N555AV:AEP,UK)	
*	A-4303-503-A	TCB BOARD, COMPLETE (N555AV:IT,G) **********	
*	A-4303-514-A	TCB BOARD, COMPLETE (Malaysia product) ********** (N555AV:AEP)	
		< CAPACITOR >	
C1	1-163-141-00	CERAMIC CHIP 0.001uF 5% 50V	
C2	1-126-967-11	ELECT 47uF 20% 16V	
C3	1-163-038-91	CERAMIC CHIP 0.1uF 25V	
C5	1-163-031-11	CERAMIC CHIP 0.01uF 50V	
C6	1-163-038-91	CERAMIC CHIP 0.1uF 25V	
C8	1-163-031-11	CERAMIC CHIP 0.01uF 50V	
C9	1-163-031-11	CERAMIC CHIP 0.01uF 50V	
C10	1-163-031-11	CERAMIC CHIP 0.01uF 50V	
C11	1-216-295-91	CONDUCTOR, CHIP(2012)(N555AV:IT,G)	
C16	1-163-038-91	CERAMIC CHIP 0.1uF 25V	
C19	1-163-249-11	CERAMIC CHIP 82PF 5% 50V	(N555AV:AEP,UK)
C21	1-163-141-00	CERAMIC CHIP 0.001uF 5% 50V	
C22	1-163-031-11	CERAMIC CHIP 0.01uF 50V	
C23	1-163-235-11	CERAMIC CHIP 22PF 5% 50V	
C24	1-163-239-11	CERAMIC CHIP 33PF 5% 50V	
C26	1-126-967-11	ELECT 47uF 20% 16V	
C28	1-126-967-11	ELECT 47uF 20% 16V	
C29	1-162-306-11	CERAMIC 0.01uF 30% 16V	
C30	1-124-925-11	ELECT 2.2uF 20% 100V	
C31	1-163-031-11	CERAMIC CHIP 0.01uF 50V	
C32	1-163-038-91	CERAMIC CHIP 0.1uF 25V	
C33	1-163-038-91	CERAMIC CHIP 0.1uF 25V	
C34	1-163-091-00	CERAMIC CHIP 8PF 50V	(N555AV:IT,G)
C34	1-163-229-11	CERAMIC CHIP 12PF 5% 50V	(N555AV:AEP,UK)
C35	1-163-038-91	CERAMIC CHIP 0.1uF 25V	
C36	1-163-141-00	CERAMIC CHIP 0.001uF 5% 50V	
C37	1-163-141-00	CERAMIC CHIP 0.001uF 5% 50V	
C39	1-163-141-00	CERAMIC CHIP 0.001uF 5% 50V	
C40	1-163-031-11	CERAMIC CHIP 0.01uF 50V	
C41	1-163-031-11	CERAMIC CHIP 0.01uF 50V	
C42	1-163-038-91	CERAMIC CHIP 0.1uF 25V	
C43	1-163-038-91	CERAMIC CHIP 0.1uF 25V	
C44	1-163-031-11	CERAMIC CHIP 0.01uF 50V	
C45	1-163-038-91	CERAMIC CHIP 0.1uF 25V	
C46	1-163-077-00	CERAMIC CHIP 0.1uF 10% 25V	
C47	1-126-967-11	ELECT 47uF 20% 16V	
C48	1-163-031-11	CERAMIC CHIP 0.01uF 50V	
C49	1-124-902-00	ELECT 0.47uF 20% 50V	
C50	1-124-903-11	ELECT 1.0uF 20% 50V	
C51	1-124-903-11	ELECT 1.0uF 20% 50V	
C52	1-126-964-11	ELECT 10uF 20% 50V	
C53	1-126-964-11	ELECT 10uF 20% 50V	
C54	1-126-157-11	ELECT 10uF 20% 16V	
C55	1-126-157-11	ELECT 10uF 20% 16V	
C56	1-126-157-11	ELECT 10uF 20% 16V	
C57	1-163-017-00	CERAMIC CHIP 0.0047uF 5% 50V	
C58	1-163-017-00	CERAMIC CHIP 0.0047uF 5% 50V	
C59	1-163-809-11	CERAMIC CHIP 0.047uF 10% 25V	
C60	1-163-809-11	CERAMIC CHIP 0.047uF 10% 25V	
C61	1-126-301-11	ELECT 1uF 20% 50V	
C62	1-163-141-00	CERAMIC CHIP 0.001uF 5% 50V	
C63	1-163-017-00	CERAMIC CHIP 0.0047uF 5% 50V	
C64	1-126-967-11	ELECT 47uF 20% 16V	
C65	1-163-031-11	CERAMIC CHIP 0.01uF 50V	
C66	1-126-162-11	ELECT 3.3uF 20% 50V	
C67	1-126-933-11	ELECT 100uF 20% 10V	
C68	1-162-306-11	CERAMIC 0.01uF 30% 16V	
C71	1-162-306-11	CERAMIC 0.01uF 30% 16V	
C72	1-126-967-11	ELECT 47uF 20% 16V	
C120	1-163-105-00	CERAMIC CHIP 33PF 5% 50V	
		< FILTER >	
CF1	1-579-374-71	FILTER, CERAMIC	
CF2	1-760-393-11	FILTER, CERAMIC	
CF3	1-760-393-11	FILTER, CERAMIC	
		< CONNECTOR >	
* CN1	1-568-834-11	SOCKET, CONNECTOR 15P	
		< DIODE >	
D21	8-719-976-XX	DIODE DZH5.1B	
D41	8-719-016-74	DIODE 1SS352	
		< FRONTEND >	
FE1	1-233-542-11	FRONT END (4 GANG)	
FE2	1-233-514-11	ENCAPSULATED COMPONENT (N555AV:AEP,UK)	
FE2	1-239-260-11	ENCAPSULATED COMPONENT (N555AV:IT,G)	
		< IC >	
IC21	8-759-288-54	IC LC72130	
IC41	8-759-176-03	IC LA1835	
		< IFT >	
IFT41	1-409-636-11	TRANSFORMER, IF (CERAMIC FILTER)	
		< JUMPER RESISTOR >	
JR1	1-216-295-91	METAL CHIP 0 5% 1/10W	(N555AV:IT,G)

Ref. No.	Part No.	Description				Remark
JR2	1-216-295-91	METAL CHIP	0		5% 1/10W	(N555AV:AEP,UK)
JR3	1-216-295-91	METAL CHIP	0		5% 1/10W	(N555AV:IT,G)
JR6	1-216-295-91	METAL CHIP	0		5% 1/10W	
JR7	1-216-295-91	METAL CHIP	0		5% 1/10W	(N555AV:IT,G)
JR8	1-216-295-91	METAL CHIP	0		5% 1/10W	(N555AV:AEP,UK)
JR9	1-216-295-91	METAL CHIP	0		5% 1/10W	(N555AV:AEP,UK)
JR45	1-216-295-91	METAL CHIP	0		5% 1/10W	
JR46	1-216-296-91	METAL CHIP	0		5% 1/8W	
JR47	1-216-295-91	METAL CHIP	0		5% 1/10W	
JR48	1-216-295-91	METAL CHIP	0		5% 1/10W	
JR49	1-216-296-91	METAL CHIP	0		5% 1/8W	
JR51	1-216-295-91	METAL CHIP	0		5% 1/10W	(N555AV:AEP,UK)
JR52	1-216-295-91	METAL CHIP	0		5% 1/10W	
JR53	1-216-296-91	METAL CHIP	0		5% 1/8W	(N555AV:AEP,UK)
JR54	1-216-295-91	METAL CHIP	0		5% 1/10W	
		< JUMPER RESISTOR >				
JW4	1-249-413-11	CARBON 470 5% 1/4W				
JW5	1-249-413-11	CARBON 470 5% 1/4W				
		< COIL >				
L2	1-414-142-11	MICRO INDUCTOR 1uH				
L3	1-410-521-11	MICRO INDUCTOR 100uH				
L4	1-410-515-11	INDUCTOR 33uH				
L41	1-407-500-00	MICRO INDUCTOR 4.7mH (N555AV:AEP,UK)				
L41	1-410-119-11	MICRO INDUCTOR (EL TYPE) 1mH (N555AV:IT,G)				
		< FILTER >				
LPF41	1-239-845-11	FILTER, LOW PASS				
LPF42	1-239-845-11	FILTER, LOW PASS				
		< TRANSISTOR >				
Q1	8-729-201-27	TRANSISTOR 2SC2715Y				
Q2	8-729-201-27	TRANSISTOR 2SC2715Y				
Q3	8-729-201-27	TRANSISTOR 2SC2715Y				
Q4	8-729-201-27	TRANSISTOR 2SC2715Y				
Q5	8-729-424-08	TRANSISTOR UN2111				
Q9	8-729-216-22	TRANSISTOR 2SA1162-G (N555AV:AEP,UK)				
Q11	8-729-421-22	TRANSISTOR UN2211 (N555AV:AEP,UK)				
Q12	8-729-421-22	TRANSISTOR UN2211 (N555AV:AEP,UK)				
Q13	8-729-421-22	TRANSISTOR UN2211 (N555AV:AEP,UK)				
Q14	8-729-421-22	TRANSISTOR UN2211 (N555AV:AEP,UK)				
		< RESISTOR >				
R1	1-249-401-11	CARBON	47	5%	1/4W	F

Ref. No.	Part No.	Description				Remark
R2	1-216-037-00	METAL CHIP	330	5%	1/10W	
R3	1-216-037-00	METAL CHIP	330	5%	1/10W	
R5	1-216-037-00	METAL CHIP	330	5%	1/10W	
R6	1-216-081-00	METAL CHIP	22K	5%	1/10W	
R7	1-216-037-00	METAL CHIP	330	5%	1/10W	
R8	1-216-037-00	METAL CHIP	330	5%	1/10W	
R9	1-216-081-00	METAL CHIP	22K	5%	1/10W	
R10	1-216-037-00	METAL CHIP	330	5%	1/10W	
R11	1-216-081-00	METAL CHIP	22K	5%	1/10W	
R12	1-216-037-00	METAL CHIP	330	5%	1/10W	
R13	1-216-037-00	METAL CHIP	330	5%	1/10W	
R14	1-216-081-00	METAL CHIP	22K	5%	1/10W	
R18	1-216-073-00	METAL CHIP	10K	5%	1/10W	(N555AV:AEP,UK)
R19	1-216-073-00	METAL CHIP	10K	5%	1/10W	(N555AV:AEP,UK)
R21	1-216-049-91	METAL CHIP	1.0K	5%	1/10W	
R22	1-216-049-91	METAL CHIP	1.0K	5%	1/10W	
R23	1-216-049-91	METAL CHIP	1.0K	5%	1/10W	
R24	1-216-025-91	METAL CHIP	100	5%	1/10W	
R25	1-249-417-11	CARBON	1K	5%	1/4W	F
R26	1-249-437-11	CARBON	47K	5%	1/4W	
R27	1-249-429-11	CARBON	10K	5%	1/4W	
R28	1-249-417-11	CARBON	1K	5%	1/4W	F
R29	1-216-061-00	METAL CHIP	3.3K	5%	1/10W	
R30	1-216-186-00	METAL CHIP	330	5%	1/8W	
R31	1-216-025-91	METAL CHIP	100	5%	1/10W	
R32	1-249-425-11	CARBON	4.7K	5%	1/4W	F
R33	1-249-425-11	CARBON	4.7K	5%	1/4W	F
R34	1-216-065-00	METAL CHIP	4.7K	5%	1/10W	
R35	1-216-214-00	METAL CHIP	4.7K	5%	1/8W	
R36	1-216-025-11	METAL CHIP	100	5%	1/10W	
R37	1-216-073-00	METAL CHIP	10K	5%	1/10W	
R38	1-216-089-11	METAL CHIP	47K	5%	1/10W	
R39	1-249-429-11	CARBON	10K	5%	1/4W	
R42	1-216-073-00	METAL CHIP	10K	5%	1/10W	
R43	1-216-042-00	METAL CHIP	510	5%	1/10W	
R44	1-216-013-00	METAL CHIP	33	5%	1/10W	
R45	1-249-423-11	CARBON	3.3K	5%	1/4W	F
R46	1-216-073-00	METAL CHIP	10K	5%	1/10W	
R47	1-216-097-91	METAL CHIP	100K	5%	1/10W	
R48	1-249-417-11	CARBON	1K	5%	1/4W	F
R49	1-216-049-91	METAL CHIP	1.0K	5%	1/10W	
R50	1-216-065-00	METAL CHIP	4.7K	5%	1/10W	
R51	1-216-065-00	METAL CHIP	4.7K	5%	1/10W	
R53	1-249-429-11	CARBON	10K	5%	1/4W	
R55	1-216-162-00	METAL CHIP	33	5%	1/8W	
R56	1-249-393-11	CARBON	10	5%	1/4W	F
R91	1-216-295-91	METAL CHIP	0	5%	1/10W	(N555AV:AEP,UK)
R92	1-216-073-00	METAL CHIP	10K	5%	1/10W	(N555AV:AEP,UK)

TCB TRANS

Ref. No.	Part No.	Description	Remark
		< VARIABLE RESISTOR >	
RV41	1-238-601-11	RES, ADJ, CARBON 22K	
RV42	1-238-600-11	RES, ADJ, CARBON 10K	
		< TERMINAL >	
TM1	1-537-488-11	TERMINAL BOARD (ANT) (ANTENNA)	
		< VIBRATOR >	
X21	1-760-549-11	VIBRATOR, CRYSTAL (4.5MHz)	
X41	1-760-220-11	FILTER, CERAMIC (10.7MHz)	
X42	1-527-981-00	FILTER, CERAMIC (450KHz)	
X43	1-577-075-11	OSCILLATOR, CERAMIC (456KHz)	
**********			
*	1-659-218-11	TRANS BOARD (D670AV) **********	
*	1-660-805-11	TRANS BOARD (N555AV) **********	
	1-533-217-31	HOLDER, FUSE	
		< CAPACITOR >	
C1600	1-164-159-21	CERAMIC 0.1uF 50V	
C1601	1-164-159-21	CERAMIC 0.1uF 50V (N555AV)	
		< CONNECTOR >	
* CN1601	1-535-139-00	BASE POST 14MM (10MMPITCH) 2P (N555AV:E,PX,MX)	
CN1601	1-774-108-11	PIN, CONNECTOR (PC BOARD) (D670AV/N555AV:AEP,UK,G,IT,AUS,AR)	
CN1604	1-564-524-11	PLUG, CONNECTOR 9P	
		< FUSE >	
⚠F1601	1-532-506-31	FUSE, TIME-LAG (6.3A 250V)(N555AV)	
⚠F1602	1-532-506-31	FUSE, TIME-LAG (6.3A 250V)(N555AV)	
⚠F1603	1-532-504-31	FUSE, TIME-LAG (4A 250V)(N555AV:E,PX,MX,AR)	
⚠F1603	1-533-420-11	FUSE, GLASS CYLINDRICAL (DIA.5)(5A 125V) (D670AV:US)	
⚠F1603	1-533-419-11	FUSE, GLASS CYLINDRICAL (DIA.5)(4A 125V) (D670AV:CND)	
⚠F1604	1-532-465-31	FUSE, TIME-LAG (3.15A 250V) (N555AV:AEP,UK,G,IT,E,AUS,PX,AR)	
		< RESISTOR >	
⚠R1600	1-202-725-00	SOLID 3.3M 10% 1/2W (D670AV)	
⚠R1601	1-219-124-81	FUSIBLE 0.68 5% 1/4W F	
⚠R1602	1-219-120-11	FUSIBLE 0.15 5% 1/4W F	
⚠R1603	1-219-120-11	FUSIBLE 0.15 5% 1/4W F	

Ref. No.	Part No.	Description	Remark
		< TRANSFORMER >	
⚠T1601	1-429-338-11	TRANSFORMER, POWER (N555AV:AEP,UK,G,IT)	
⚠T1601	1-429-339-11	TRANSFORMER, POWER (D670AV)	
⚠T1601	1-429-340-11	TRANSFORMER, POWER (N555AV:E,AUS,PX,MX,AR)	
		< SWITCH >	
⚠VS1601	1-572-675-11	SWITCH, POWER VOLTAGE CHANGE (VOLTAGE SELECTOR)(N555AV:E,PX,AR)	
**********			
		MISCELLANEOUS **********	
3	1-751-688-11	WIRE (FLAT TYPE)(13 CORE)	
3	1-773-011-11	WIRE (FLAT TYPE)(15 CORE)(N555AV:AEP,UK)	
* 57	1-659-414-11	MIC BOARD (N555AV:E,AUS,PX,MX,AR)	
* 152	1-659-218-11	TRANS BOARD (D670AV)	
* 152	1-660-805-11	TRANS BOARD (D555AV)	
153	1-751-688-11	WIRE (FLAT TYPE)(13 CORE)	
156	1-769-069-11	WIRE (FLAT TYPE)(16 CORE)(N555AV:AEP)	
156	1-773-011-11	WIRE (FLAT TYPE)(15 CORE)(N555AV:AEP,UK)	
157	1-777-046-11	WIRE (FLAT TYPE)(19 CORE)	
158	1-765-338-11	WIRE (FLAT TYPE)(21 CORE)	
159	1-769-949-11	WIRE (FLAT TYPE)(11 CORE)	
160	1-590-578-11	WIRE (FLAT TYPE)(19 CORE)	
160	1-773-153-11	WIRE (FLAT TYPE)(21 CORE)	
160	1-773-219-11	WIRE (FLAT TYPE)(25 CORE)	
162	1-569-007-11	ADAPTER, CONVERSION 2P (N555AV:PX)	
162	1-569-008-11	ADAPTER, CONVERSION 2P (N555AV:AR)	
162	1-569-008-21	ADAPTER, CONVERSION 2P (N555AV:AR)	
* 357	1-452-538-11	MAGNET	
⚠401	8-848-387-01	OPTICAL PICK-UP KSS-213BA/S-N	
402	1-769-069-11	WIRE (FLAT TYPE)(16 CORE)	
⚠CNP1601	1-558-943-51	CORD, POWER (N555AV:E,PX,MX)	
⚠CNP1601	1-575-042-21	CORD, POWER (D670AV)	
⚠CNP1601	1-575-651-21	CORD, POWER (N555AV:AEP,G,IT,AR)	
⚠CNP1601	1-696-845-11	CORD, POWER (N555AV:AUS)	
⚠CNP1601	1-751-522-11	CORD, POWER (N555AV:UK)	
⚠F1601	1-532-506-31	FUSE, TIME LAG (6.3A, 250V)(N555AV)	
⚠F1602	1-532-506-31	FUSE, TIME LAG (6.3A, 250V)(N555AV)	
⚠F1603	1-532-504-31	FUSE, TIME LAG (4A, 250V) (N555AV:E,PX,MX,AR)	
⚠F1603	1-533-420-11	FUSE, GLASS CYLINDRICAL (DIA.5)(5A, 125V) (D670AV:US)	
⚠F1603	1-533-419-11	FUSE, GLASS CYLINDRICAL (DIA.5)(4A, 125V) (D670AV:CND)	
⚠F1604	1-532-465-31	FUSE, TIME-LAG (3.15A 250V) (N555AV;AEP,UK,G,IT,E,AUS,PX,AR)	
FL501	1-517-490-21	INDICATOR TUBE, FLUORESCENT	
HP101	1-500-093-11	HEAD, MAGNETIC (PLAYBACK)	
HRPE101	1-500-094-11	HEAD, MAGNETIC (REC/PB/ERASE)	
M1	X-3371-223-1	MOTOR ASSY (CAPSTAN)	

The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety. Replace only with part number specified.	Les composants identifiés par une marque ⚠ sont critiques pour la sécurité. Ne les remplacer que par une piéce portant le numéro spécifié.

Ref. No.	Part No.	Description	Remark
M2	A-2004-410-A	MOTOR ASSY (TRIGGER)	
M101	X-4917-523-4	MOTOR ASSY (SPINDLE)	
M102	X-4917-504-1	MOTOR ASSY (SLED)	
M201	A-4660-977-A	MOTOR ASSY (TABLE)	
S101	1-572-085-11	SWITCH, LEAF (LIMIT)	
⚠T1601	1-429-338-11	TRANSFORMER, POWER (N555AV:AEP,UK,G,IT)	
⚠T1601	1-429-339-11	TRANSFORMER, POWER (D670AV)	
⚠T1601	1-429-340-11	TRANSFORMER, POWER (N555AV:E,AUS,PX,MX,AR)	

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ACCESSORIES & PACKING MATERIALS
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	1-473-608-11	REMOTE COMMANDER (RM-SE1AV)	
*	4-979-431-01	CUSHION (BOTTOM)	
*	4-980-140-01	CUSHION (UPPER)	
	4-981-643-01	COVER, BATTERY (for RM-SE1AV)	

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HARDWARE LIST
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#1	7-685-646-79	SCREW +BVTP 3X8 TYPE2 N-S	
#2	7-685-871-01	SCREW +BVTT 3X6 (S) (D670AV)	
#3	7-682-560-04	SCREW +BVTT 4X6 (S)(N555AV)	
#4	7-685-650-79	SCREW +BVTP 3X16 TYPE2 IT-3	
#5	7-621-770-67	SCREW +BVTT 2.6X6 (S)	
#6	7-685-131-19	SCREW +BTP 2.6X4 TYPE2 N-S	
#7	7-685-534-19	SCREW +BTP 2.6X8 TYPE2 N-S	
#8	7-621-775-10	SCREW +B 2.6X4	
#9	7-685-533-19	SCREW +BTP 2.6X6 TYPE2 N-S	
#10	7-623-921-01	RING, RETAINING, CAPSTAN	
#11	7-621-775-00	SCREW +B 2.6X3	
#12	7-621-255-15	SCREW +P 2X3	

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